

IB PVC Single-Ply 50

Product Description:

IB PVC Single-Ply 50 is a polyester scrim reinforced, compounded pvc resin based sheet with plasticizers, stabilizers, fillers, pigments and other proprietary materials meeting ASTM D4434, Type III. Rolls are manufactured in a nominal 50 mil thickness and use an anti-wicking scrim for added strength, tear resistance and enhanced moisture resistance.

Packaging:

Size	Sq. Ft. / Weight per roll (approx.)
6' x 90'	540 sq. ft. / 175 lbs.
3' x 90'	270 sq. ft. / 90 lbs.

Features:

- Meets and exceeds ASTM D 4434-12, Type III Thermoplastic Membrane
- 15-Year Limited Material Warranty
- Excellent flexibility in all climates
- Highly reflective IB PVC Single-Ply can help to reduce heat transfer through the roof into the building's interior
- Thick, heavy duty 24 mil top ply weathering film
- Thermally welded seams provide superior seam strength
- Exceeds Energy Star™ and California Title 24 requirements for Solar Reflectance and Emissivity (White, Cool Sand)

Use:

IB PVC Single-Ply 50 can be installed in new, recover, and re-roof constructions as the primary field membrane and base flashing at all roof to wall transitions. It can be mechanically attached or fully adhered to a properly prepared substrate with approved fasteners and membrane plates or approved membrane adhesive.

Warranties:

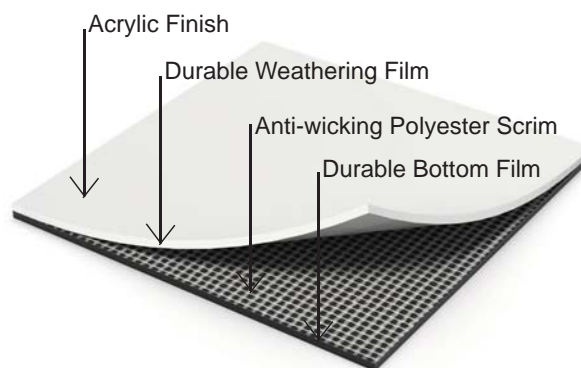
IB PVC Single-Ply 50 has a 15-Year Limited Material Warranty and is available for 'Warranty Plus' and 'Total Systems' warranties for IB Roof Systems Authorized Applicators.

Available Colors:

White, tan, gray and brown.

Approvals:

IB PVC membranes are listed with various component assemblies at UL and Factory Mutual (F.M. Global) for fire, wind uplift and impact resistance. Visit our website for links to these agencies and listings at: www.ibroof.com.



Solar Reflectance / Thermal Emittance / Calculated SRI Values					
Membrane Color	Solar Reflectance	Thermal Emittance	SRI Value Initial	SRI Value 3-Year Aged	LRV
White	0.870	0.88	110	91	94.3
Tan	0.366	0.87	39	N/A	30.2
Gray	0.163	0.88	13	N/A	18.1
Brown	0.079	0.87	2	N/A	7.2

Property	Method	Requirement	50 Mil
Overall thickness of PVC sheet, min. (in.)	ASTM D751	0.045	0.050 nom.
Breaking strength, min. (lbf/in.)	ASTM D751	200 x 200	332 x 256
Elongation at the break, min. %	ASTM D751	15 ^A x 15 ^A	34 x 29
Retention of properties after heat aging (min. % of original):	ASTM D3045		
Breaking strength	ASTM D751	90	Pass
Elongation	ASTM D751	90	Pass
Tearing strength, min. (lbf)	ASTM D751	45.0	54 x 68
Low temperature bend	ASTM D2136	-40°F	Pass
Accelerated weathering test:	ASTM G154		
Cracking (7x magnification)		None	None
Crazing (7x magnification)		None	None
Linear dimension change, max%	ASTM D1204	+/- 0.5	-0.30 MD 0.02 XMD
Change in weight after immersion in water, max %	ASTM D570	+/- 3.0	1.1
Static puncture resistance	ASTM D5602	Pass	Pass
Dynamic puncture resistance	ASTM 5635	Pass	Pass
^A For reinforcing fabric only, elongation of PVC material shall be 250% MD and 220% XMD			
The table presents typical properties of IB PVC membranes. Requirements are taken from ASTM D4434-12.			

Recycle Content	
Pre Consumer	20%

IB PVC Single-Ply 60

Product Description:

IB PVC Single-Ply 60 is a polyester scrim reinforced, compounded pvc resin based sheet with plasticizers, stabilizers, fillers, pigments and other proprietary materials meeting ASTM D4434, Type III. Rolls are manufactured in a nominal 60 mil thickness and use an anti-wicking scrim for added strength, tear resistance and enhanced moisture resistance.

Packaging:

Size	Sq. Ft. / Weight per roll (approx.)
6' x 90'	540 sq. ft. / 217 lbs.
3' x 90'	270 sq. ft. / 111 lbs.

Features:

- Meets and exceeds ASTM D 4434-12, Type III Thermoplastic Membrane
- 20-Year Limited Material Warranty
- Excellent flexibility in all climates
- Highly reflective IB PVC Single-Ply can help to reduce heat transfer through the roof into the building's interior
- Thick, heavy duty 28 mil top ply weathering film
- Thermally welded seams provide superior seam strength
- Exceeds Energy Star™ and California Title 24 requirements for Solar Reflectance and Emissivity (White, Cool Sand)

Use:

IB PVC Single-Ply 60 can be installed in new, recover, and re-roof constructions as the primary field membrane and base flashing at all roof to wall transitions. It can be mechanically attached or fully adhered to a properly prepared substrate with approved fasteners and membrane plates or approved membrane adhesive.

Warranties:

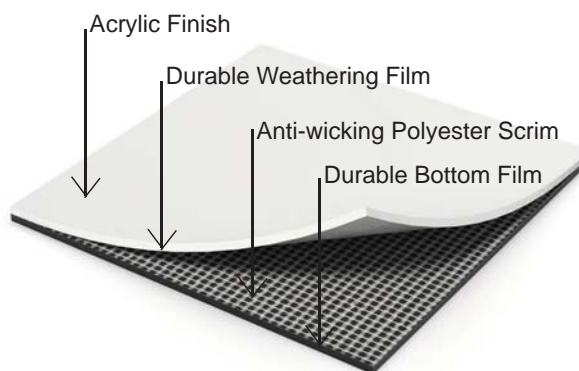
IB PVC Single-Ply 60 has a '20-Year Limited Material Warranty' and is available for 'Warranty Plus' and 'Total System' warranties for IB Roof Systems Authorized Applicators.

Available Colors:

White, Cool Sand, Gray and Tan.

Approvals:

IB PVC membranes are listed with various component assemblies at UL and Factory Mutual (F.M. Global) for fire, wind uplift and impact resistance. Visit our website for links to these agencies and listings at: www.ibroof.com.



Solar Reflectance / Thermal Emittance / Calculated SRI Values					
Membrane Color	Solar Reflectance	Thermal Emittance	SRI Value Initial	SRI Value 3-Year Aged	LRV
White	0.870	0.88	110	91	94.3
Cool Sand	0.77	0.87	95	78	69.7
Gray	0.163	0.88	13	N/A	18.1
Tan	0.366	0.87	39	N/A	30.2

Property	Method	Requirement	60 Mil
Overall thickness of PVC sheet, min. (in.)	ASTM D751	0.045	0.060 nom.
Breaking strength, min. (lbf/in.)	ASTM D751	200 x 200	371 x 308
Elongation at the break, min. %	ASTM D751	15 ^A x 15 ^A	34 x 29
Retention of properties after heat aging (min. % of original):	ASTM D3045		
Breaking strength	ASTM D751	90	Pass
Elongation	ASTM D751	90	Pass
Tearing strength, min. (lbf)	ASTM D751	45.0	58 x 72
Low temperature bend	ASTM D2136	-40°F	Pass
Accelerated weathering test:	ASTM G154		
Cracking (7x magnification)		None	None
Crazing (7x magnification)		None	None
Linear dimension change, max%	ASTM D1204	+/- 0.5	-0.30 MD 0.02 XMD
Change in weight after immersion in water, max %	ASTM D570	+/- 3.0	1.0
Static puncture resistance	ASTM D5602	Pass	Pass
Dynamic puncture resistance	ASTM 5636	Pass	Pass

^AFor reinforcing fabric only, elongation of PVC material shall be 250% MD and 220% XMD

The table presents typical properties of IB PVC membranes. Requirements are taken from ASTM D4434-12.

Recycle Content	
Pre Consumer	20%

IB PVC Single-Ply 80

Product Description:

IB PVC Single-Ply 80 is a polyester scrim reinforced, compounded pvc resin based sheet with plasticizers, stabilizers, fillers, pigments and other proprietary materials meeting ASTM D4434, Type III. Rolls are manufactured in a nominal 80 mil thickness and use an anti-wicking scrim for added strength, tear resistance and enhanced moisture resistance.

Packaging:

Size	Sq. Ft. / Weight per roll (approx.)
6' x 60'	360 sq. ft. / 191 lbs.
3' x 60'	180 sq. ft. / 98 lbs.

Features:

- Meets and exceeds ASTM D 4434-12, Type III Thermoplastics Membrane
- 25-Year Limited Material Warranty
- Excellent flexibility in all climates
- Highly reflective IB PVC Single-Ply can help to reduce heat transfer through the roof into the building's interior
- Thick, heavy duty 38 mil top ply weathering film
- Thermally welded seams provide superior seam strength
- Exceeds Energy Star™ and California Title 24 requirements for Solar Reflectance and Emissivity (White)

Use:

IB PVC Single-Ply 80 can be installed in new, recover, and re-roof constructions as the primary field membrane and base flashing at all roof to wall transitions. It can be mechanically attached or fully adhered to a properly prepared substrate with approved fasteners and membrane plates or approved membrane adhesive.

Warranties:

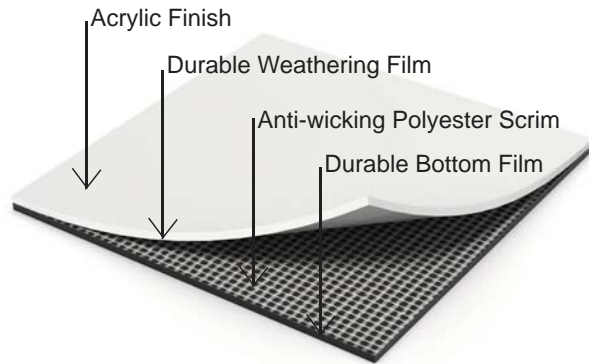
IB PVC Single-Ply 80 has a 25-Year Limited Material Warranty and is available for 'Warranty Plus' and 'Total Systems' warranties for IB Roof Systems Authorized Applicators.

Available Colors:

White, tan, gray, red, green, and brown.

Approvals:

IB PVC membranes are listed with various component assemblies at UL and Factory Mutual (F.M. Global) for fire, wind uplift and impact resistance. Visit our website for links to these agencies and listings at: www.ibroof.com.



Solar Reflectance / Thermal Emittance / Calculated SRI Values					
Membrane Color	Solar Reflectance	Thermal Emittance	SRI Value Initial	SRI Value 3-Year Aged	LRV
White	0.870	0.88	110	91	94.3
Tan	0.366	0.87	39	N/A	30.2
Gray	0.163	0.88	13	N/A	18.1
Red	0.243	0.88	25	N/A	9.7
Green	0.073	0.88	2	N/A	7.7
Brown	0.079	0.87	2	N/A	7.2

Property	Method	Requirement	80 Mil
Overall thickness of PVC sheet, min. (in.)	ASTM D751	0.045	0.080 nom.
Breaking strength, min. (lbf/in.)	ASTM D751	200 x 200	408 x 388
Elongation at the break, min. %	ASTM D751	15 ^A x 15 ^A	34 x 29
Retention of properties after heat aging (min. % of original):	ASTM D3045		
Breaking strength	ASTM D751	90	Pass
Elongation	ASTM D751	90	Pass
Tearing strength, min. (lbf)	ASTM D751	45.0	62 x 78
Low temperature bend	ASTM D2136	-40°F	Pass
Accelerated weathering test:	ASTM G154		
Cracking (7x magnification)		None	None
Crazing (7x magnification)		None	None
Linear dimension change, max%	ASTM D1204	+/- 0.5	-0.30 MD 0.02 XMD
Change in weight after immersion in water, max %	ASTM D570	+/- 3.0	0.9
Static puncture resistance	ASTM D5602	Pass	Pass
Dynamic puncture resistance	ASTM 5636	Pass	Pass

^AFor reinforcing fabric only, elongation of PVC material shall be 250% MD and 220% XMD
The table presents typical properties of IB PVC membranes. Requirements are taken from ASTM D4434-12.

Recycle Content	
Pre Consumer	20%

IB PVC Single-Ply ChemGuard™ 50

Product Description:

IB PVC Single-Ply ChemGuard™ 50 is a polyester scrim reinforced, compounded pvc resin based sheet with DuPont® Elvaloy® KEE, plasticizers, stabilizers, fillers, pigments and other proprietary materials meeting ASTM D4434, Type III. Rolls are manufactured in a nominal 50 mil thickness and use an anti-wicking scrim for added strength, tear resistance and enhanced moisture resistance.

Packaging:

Size	Sq. Ft. / Weight per roll (approx.)
6' x 90'	540 sq. ft. / 175 lbs.
3' x 90'	270 sq. ft. / 90 lbs.

Features:

- Meets and exceeds ASTM D4434-12, Type III Thermoplastic Membrane
- Excellent flexibility in all climates
- ChemGuard™ is a specially designed chemical resistant CPA membrane that was developed specifically for industrial and restaurant applications
- Highly reflective IB PVC Single-Ply ChemGuard™ can help to reduce heat transfer through the roof into the building's interior
- Thick, heavy duty 24 mil top ply weathering film
- Thermally welded seams provide superior seam strength
- Exceeds Energy Star™ and California Title 24 requirements for Solar Reflectance and Emissivity (White)

Use:

IB PVC Single-Ply ChemGuard™ 50 can be installed in new, recover, and re-roof constructions as the primary field membrane and base flashing at all roof to wall transitions. It can be mechanically attached or fully adhered to a properly prepared substrate with approved fasteners and membrane plates or approved membrane adhesive.

Warranties:

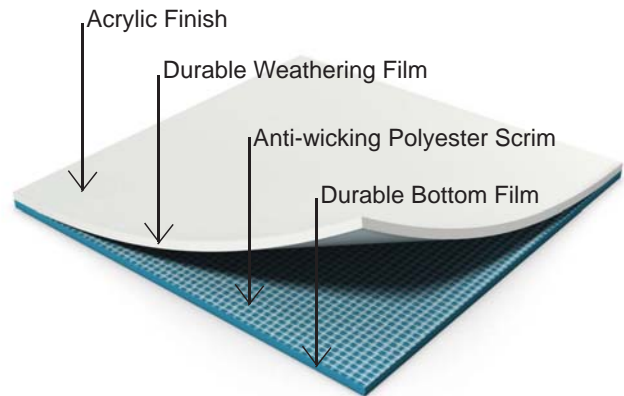
IB PVC Single-Ply ChemGuard™ 50 has a 15-Year Limited Material Warranty and is available for 'Warranty Plus' and 'Total System' warranties for IB Roof Systems Authorized Applicators.

Available Colors:

White

Approvals:

IB PVC membranes are listed with various component assemblies at UL and Factory Mutual (F.M. Global) for fire, wind uplift and impact resistance. Visit our website for links to these agencies and listings at: www.ibroof.com.



Solar Reflectance / Thermal Emittance / Calculated SRI Values					
Membrane Color	Solar Reflectance	Thermal Emittance	SRI Value Initial	SRI Value 3-Year Aged	LRV
White	0.870	0.88	110	91	94.3

Property	Method	Requirement	50 Mil
Overall thickness of PVC sheet, min. (in.)	ASTM D751	0.045	0.050 nom.
Breaking strength, min. (lbf/in.)	ASTM D751	200 x 200	332 x 256
Elongation at the break, min. %	ASTM D751	15 ^A x 15 ^A	34 x 29
Retention of properties after heat aging (min. % of original):	ASTM D3045		
Breaking strength	ASTM D751	90	Pass
Elongation	ASTM D751	90	Pass
Tearing strength, min. (lbf)	ASTM D751	45.0	54 x 68
Low temperature bend	ASTM D2136	-40°F	Pass
Accelerated weathering test:	ASTM G154		
Cracking (7x magnification)		None	None
Crazing (7x magnification)		None	None
Linear dimension change, max%	ASTM D1204	+/- 0.5	-0.30 MD 0.02 XMD
Change in weight after immersion in water, max %	ASTM D570	+/- 3.0	1.1
Static puncture resistance	ASTM D5602	Pass	Pass
Dynamic puncture resistance	ASTM 5636	Pass	Pass
^A For reinforcing fabric only, elongation of PVC material shall be 250% MD and 220% XMD			
The table presents typical properties of IB PVC membranes. Requirements are taken from ASTM D4434-12.			

Recycle Content	
Pre Consumer	20%

IB PVC Single-Ply ChemGuard™ 80

Product Description:

IB PVC Single-Ply ChemGuard™ 80 is a polyester scrim reinforced, compounded pvc resin based sheet with DuPont® Elvaloy® KEE, plasticizers, stabilizers, fillers, pigments and other proprietary materials meeting ASTM D4434, Type III. Rolls are manufactured in a nominal 80 mil thickness and use an anti-wicking scrim for added strength, tear resistance and enhanced moisture resistance.

Packaging:

Size	Sq. Ft. / Weight per roll (approx.)
6' x 60'	360 sq. ft. / 191 lbs.
3' x 60'	180 sq. ft. / 98 lbs.

Features:

- Meets and exceeds ASTM D 4434-12, Type III Thermoplastic Membrane
- Excellent flexibility in all climates
- ChemGuard™ is a specially designed chemical resistant CPA membrane that was developed specifically for industrial and restaurant applications
- Highly reflective IB PVC Single-Ply ChemGuard™ can help to reduce heat transfer through the roof into the building's interior
- Thick, heavy duty 38 mil top ply weathering film
- Thermally welded seams provide superior seam strength
- Exceeds Energy Star™ and California Title 24 requirements for Solar Reflectance and Emissivity (White)

Use:

IB PVC Single-Ply ChemGuard™ 80 can be installed in new, recover, and re-roof constructions as the primary field membrane and base flashing at all roof to wall transitions. It can be mechanically attached or fully adhered to a properly prepared substrate with approved fasteners and membrane plates or approved membrane adhesive.

Warranties:

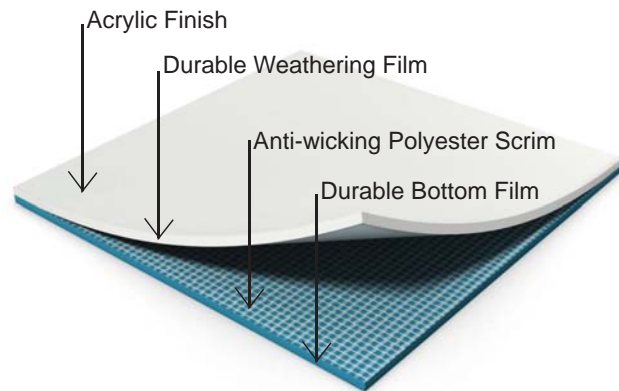
IB PVC Single-Ply ChemGuard™ 80 has a 25-Year Limited Material Warranty and is available for 'Warranty Plus' and 'Total Systems' warranties for IB Roof Systems Authorized Applicators.

Available Colors:

White.

Approvals:

IB PVC membranes are listed with various component assemblies at UL and Factory Mutual (F.M. Global) for fire, wind uplift and impact resistance. Visit our website for links to these agencies and listings at: www.ibroof.com.



Solar Reflectance / Thermal Emittance / Calculated SRI Values					
Membrane Color	Solar Reflectance	Thermal Emittance	SRI Value Initial	SRI Value 3-Year Aged	LRV
White	0.870	0.88	110	91	94.3

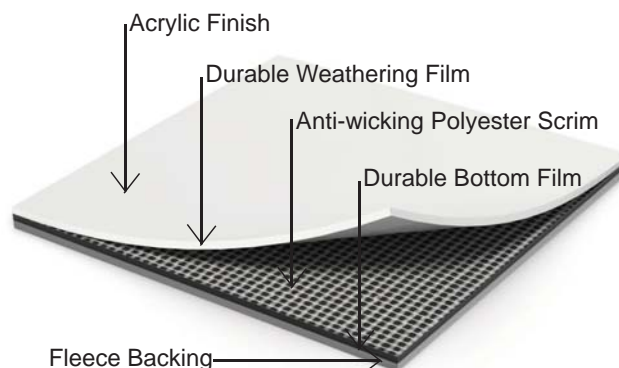
Property	Method	Requirement	80 Mil
Overall thickness of PVC sheet, min. (in.)	ASTM D751	0.045	0.080 nom.
Breaking strength, min. (lbf/in.)	ASTM D751	200 x 200	408 x 388
Elongation at the break, min. %	ASTM D751	15 ^A x 15 ^A	34 x 29
Retention of properties after heat aging (min. % of original):	ASTM D3045		
Breaking strength	ASTM D751	90	Pass
Elongation	ASTM D751	90	Pass
Tearing strength, min. (lbf)	ASTM D751	45.0	62 x 78
Low temperature bend	ASTM D2136	-40°F	Pass
Accelerated weathering test:	ASTM G154		
Cracking (7x magnification)		None	None
Crazing (7x magnification)		None	None
Linear dimension change, max%	ASTM D1204	+/- 0.5	-0.30 MD 0.02 XMD
Change in weight after immersion in water, max %	ASTM D570	+/- 3.0	0.9
Static puncture resistance	ASTM D5602	Pass	Pass
Dynamic puncture resistance	ASTM 5636	Pass	Pass
^A For reinforcing fabric only, elongation of PVC material shall be 250% MD and 220% XMD			
The table presents typical properties of IB PVC membranes. Requirements are taken from ASTM D4434-12.			

Recycle Content	
Pre Consumer	20%

IB PVC Single-Ply FB 50

Product Description:

IB PVC Single-Ply FB 50 is a polyester scrim reinforced, compounded pvc resin based sheet with plasticizers, stabilizers, fillers, pigments and other proprietary materials meeting ASTM D4434, Type III. Rolls are manufactured in a nominal 50 mil thickness and use an anti-wicking scrim for added strength, tear resistance and enhanced moisture resistance. The underside of the membrane has a tough polyester fleece backing compatible with both adhered and mechanically fastened applications.



Packaging:

Size Sq. Ft. / Weight per roll (approx.)
 6' x 90' 540 sq. ft. / 192 lbs.

Features:

- Meets and exceeds ASTM D 4434-12, Type III Thermoplastic Membrane
- Excellent flexibility in all climates
- Highly reflective IB PVC Single-Ply can help to reduce heat transfer through the roof into the building's interior
- Thick, heavy duty 24 mil top ply weathering film
- Thermally welded seams provide superior seam strength
- Exceeds Energy Star™ and California Title 24 requirements for Solar Reflectance and Emissivity (White, Cool Sand)
- 3.5 oz. fleece backing for enhanced performance

Use:

IB PVC Single-Ply FB 50 can be installed in new, recover, and re-roof constructions as the primary field membrane and base flashing at all roof to wall transitions. It can be mechanically attached or fully adhered to a properly prepared substrate with approved fasteners and membrane plates or approved membrane adhesive.

Warranties:

IB PVC Single-Ply FB 50 has a 15-Year Limited Material Warranty and is available for 'Warranty Plus' and 'Total System' warranties for IB Roof Systems Authorized Applicators.

Available Colors:

White

Approvals:

IB PVC membranes are listed with various component assemblies at UL and Factory Mutual (F.M. Global) for fire, wind uplift and impact resistance. Visit our website for links to these agencies and listings at: www.ibroof.com.

Solar Reflectance / Thermal Emittance / Calculated SRI Values					
Membrane Color	Solar Reflectance	Thermal Emittance	SRI Value Initial	SRI Value 3-Year Aged	LRV
White	0.870	0.88	110	91	94.3

Property	Method	Requirement	50 Mil
Overall thickness of PVC sheet, min. (in.)	ASTM D751	0.045	0.050 nom.
Breaking strength, min. (lbf/in.)	ASTM D751	200 x 200	360 x 286
Elongation at the break, min. %	ASTM D751	15 ^A x 15 ^A	35 x 34
Retention of properties after heat aging (min. % of original):	ASTM D3045		
Breaking strength	ASTM D751	90	Pass
Elongation	ASTM D751	90	Pass
Tearing strength, min. (lbf)	ASTM D751	45.0	62 x 85
Low temperature bend	ASTM D2136	-40°F	Pass
Accelerated weathering test:	ASTM G154		
Cracking (7x magnification)		None	None
Crazing (7x magnification)		None	None
Linear dimension change, max%	ASTM D1204	+/- 0.5	-0.30 MD 0.10 XMD
Change in weight after immersion in water, max %	ASTM D570	+/- 3.0	1.1
Static puncture resistance	ASTM D5602	Pass	Pass
Dynamic puncture resistance	ASTM 5636	Pass	Pass

^AFor reinforcing fabric only, elongation of PVC material shall be 250% MD and 220% XMD

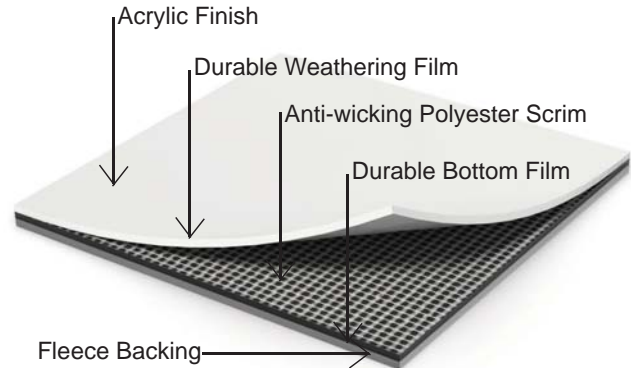
The table presents typical properties of IB PVC membranes. Requirements are taken from ASTM D4434-12.

Recycle Content	
Pre Consumer	20%

IB PVC Single-Ply FB 60

Product Description:

IB PVC Single-Ply FB 60 is a polyester scrim reinforced, compounded pvc resin based sheet with plasticizers, stabilizers, fillers, pigments and other proprietary materials meeting ASTM D4434, Type III. Rolls are manufactured in a nominal 60 mil thickness and use an anti-wicking scrim for added strength, tear resistance and enhanced moisture resistance. The underside of the membrane has a tough polyester fleece backing compatible with both adhered and mechanically fastened applications.



Packaging:

Size Sq. Ft. / Weight per roll (approx.)
 6' x 90' 540 sq. ft. / 234 lbs.

Features:

- Meets and exceeds ASTM D 4434-12, Type III Thermoplastic Membrane
- Excellent flexibility in all climates
- Highly reflective IB PVC Single-Ply can help to reduce heat transfer through the roof into the building's interior
- Thick, heavy duty 28 mil top ply weathering film
- Thermally welded seams provide superior seam strength
- Exceeds Energy Star™ and California Title 24 requirements for Solar Reflectance and Emissivity (White)
- 3.5 oz. fleece backing for enhanced performance

Use:

IB PVC Single-Ply FB 60 can be installed in new, recover, and re-roof constructions as the primary field membrane and base flashing at all roof to wall transitions. It can be mechanically attached or fully adhered to a properly prepared substrate with approved fasteners and membrane plates or approved membrane adhesive.

Warranties:

IB PVC Single-Ply FB 60 has a 20-Year Limited Material Warranty and is available for 'Warranty Plus' and 'Total System' warranties for IB Roof Systems Authorized Applicators.

Available Colors:

White

Approvals:

IB PVC membranes are listed with various component assemblies at UL and Factory Mutual (F.M. Global) for fire, wind uplift and impact resistance. Visit our website for links to these agencies and listings at: www.ibroof.com.

Solar Reflectance / Thermal Emittance / Calculated SRI Values					
Membrane Color	Solar Reflectance	Thermal Emittance	SRI Value Initial	SRI Value 3-Year Aged	LRV
White	0.870	0.88	110	91	94.3

Property	Method	Requirement	60 Mil
Overall thickness of PVC sheet, min. (in.)	ASTM D751	0.045	0.060 nom.
Breaking strength, min. (lbf/in.)	ASTM D751	200 x 200	400 x 338
Elongation at the break, min. %	ASTM D751	15 ^A x 15 ^A	35 x 34
Retention of properties after heat aging (min. % of original):	ASTM D3045		
Breaking strength	ASTM D751	90	Pass
Elongation	ASTM D751	90	Pass
Tearing strength, min. (lbf)	ASTM D751	45.0	70 x 90
Low temperature bend	ASTM D2136	-40°F	Pass
Accelerated weathering test:	ASTM G154		
Cracking (7x magnification)		None	None
Crazing (7x magnification)		None	None
Linear dimension change, max%	ASTM D1204	+/- 0.5	-0.30 MD 0.10 XMD
Change in weight after immersion in water, max %	ASTM D570	+/- 3.0	1.0
Static puncture resistance	ASTM D5602	Pass	Pass
Dynamic puncture resistance	ASTM 5636	Pass	Pass

^AFor reinforcing fabric only, elongation of PVC material shall be 250% MD and 220% XMD

The table presents typical properties of IB PVC membranes. Requirements are taken from ASTM D4434-12.

Recycle Content	
Pre Consumer	20%

IB PVC Single-Ply FB 80

Product Description:

IB PVC Single-Ply FB 80 is a polyester scrim reinforced, compounded pvc resin based sheet with plasticizers, stabilizers, fillers, pigments and other proprietary materials meeting ASTM D4434, Type III. Rolls are manufactured in a nominal 80 mil thickness and use an anti-wicking scrim for added strength and tear resistance. The underside of the membrane has a tough polyester fleece backing compatible with both adhered and mechanically fastened applications.

Packaging:

Size Sq. Ft. / Weight per roll (approx.)
 6' x 60' 360 sq. ft. / 200 lbs.

Features:

- Meets and exceeds ASTM D 4434-12, Type III Thermoplastic Membrane
- Excellent flexibility in all climates
- Highly reflective IB PVC Single-Ply can help to reduce heat transfer through the roof into the building's interior
- Thick, heavy duty 38 mil top ply weathering film
- Thermally welded seams provide superior seam strength
- Exceeds Energy Star™ and California Title 24 requirements for Solar Reflectance and Emissivity (White)
- 3.5 oz. fleece backing for enhanced performance

Use:

IB PVC Single-Ply FB 80 can be installed in new, recover, and re-roof constructions as the primary field membrane and base flashing at all roof to wall transitions. It can be mechanically attached or fully adhered to a properly prepared substrate with approved fasteners and membrane plates or approved membrane adhesive.

Warranties:

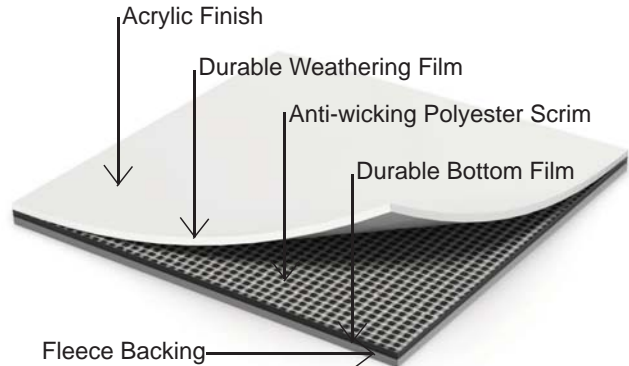
IB PVC Single-Ply 80 has a 25-Year Limited Material Warranty and is available for 'Warranty Plus' and 'Total Systems' warranties for IB Roof Systems Authorized Applicators.

Available Colors:

White

Approvals:

IB PVC membranes are listed with various component assemblies at UL and Factory Mutual (F.M. Global) for fire, wind uplift and impact resistance. Visit our website for links to these agencies and listings at: www.ibroof.com.



Solar Reflectance / Thermal Emittance / Calculated SRI Values					
Membrane Color	Solar Reflectance	Thermal Emittance	SRI Value Initial	SRI Value 3-Year Aged	LRV
White	0.870	0.88	110	91	94.3

Property	Method	Requirement	80 Mil
Overall thickness of PVC sheet, min. (in.)	ASTM D751	0.045	0.080 nom.
Breaking strength, min. (lbf/in.)	ASTM D751	200 x 200	438 x 408
Elongation at the break, min. %	ASTM D751	15 ^A x 15 ^A	35 x 34
Retention of properties after heat aging (min. % of original):	ASTM D3045		
Breaking strength	ASTM D751	90	Pass
Elongation	ASTM D751	90	Pass
Tearing strength, min. (lbf)	ASTM D751	45.0	75 x 95
Low temperature bend	ASTM D2136	-40°F	Pass
Accelerated weathering test:	ASTM G154		
Cracking (7x magnification)		None	None
Crazing (7x magnification)		None	None
Linear dimension change, max%	ASTM D1204	+/- 0.5	-0.30 MD 0.10 XMD
Change in weight after immersion in water, max %	ASTM D570	+/- 3.0	0.9
Static puncture resistance	ASTM D5602	Pass	Pass
Dynamic puncture resistance	ASTM 5636	Pass	Pass

^AFor reinforcing fabric only, elongation of PVC material shall be 250% MD and 220% XMD

The table presents typical properties of IB PVC membranes. Requirements are taken from ASTM D4434-12.

Recycle Content	
Pre Consumer	20%

IB PVC GR 60

Product Description:

IB PVC GR-60 is a high quality fiberglass reinforced single ply membrane designed for fully adhered systems, details and flashings. It is constructed with a fiberglass reinforcement providing strength, fire resistance and dimensionally stability. IB PVC GR-60 is a smooth backed membrane manufactured utilizing a “Cast-Spreading” technique formulated with high quality resins, plasticizers, stabilizers and other proprietary materials for superior performance characteristics. To further create the look of a metal roof, matching IB Flexible Metal Profiles may be welded to the surface of the membrane to simulate standing seam metal. Physical properties are typical results tested to ASTM D4434-06, Type II, Grade 1 standards for PVC membranes.

Packaging:

Size	Sq. Ft. / Weight per roll (approx.)
5' x 70'	350 sq. ft. / 134 lbs.
12" x 70'	70 sq. ft. / 27 lbs.
6" x 70'	35 sq. ft. / 14 lbs.

Features:

- Weatherproof and UV Resistance
- Dimensional Stability
- Flexibility at Low Temperatures
- Resistant to Puncturing

Use:

IB PVC GR-60 can be installed over a properly prepared substrate (insulation, cover board or other pre-approved materials) with Flexocol V or approved IB adhesives. All seams (side and end laps) are thermally welded using a hot air welder with a minimum weld width of 1-1/2". Seal seams where required with matching IB PVC GR Edge Sealant.

A wide selection of high performance & energy efficient GR Class roof assemblies are available offering long term weatherability and resistance to the elements.

Warranties:

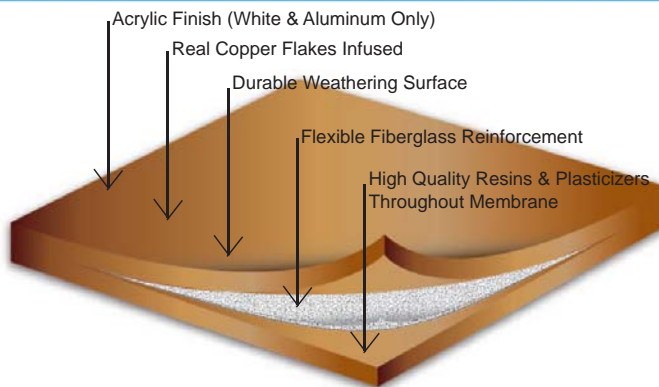
IB PVC GR 60 has a 20-Year Limited Material Warranty and is available for ‘Warranty Plus’ and ‘Total Systems’ warranties for IB Roof Systems Authorized Applicators.

Available Colors:

Old World Bronze, Aluminum, White.

Approvals:

IB PVC membranes are listed with various component assemblies at UL and Factory Mutual (F.M. Global) for fire, wind uplift and impact resistance. Visit our website for links to these agencies and listings at: www.ibroof.com.



Solar Reflectance / Thermal Emittance / Calculated SRI Values					
Membrane Color	Solar Reflectance	Thermal Emittance	SRI Value Initial	SRI Value 3-Year Aged	LRV
White	0.770	0.86	95	Pending	87.5
O.W. Bronze	0.42	0.78	43	Pending	25.5
Aluminum	0.41	0.75	40	Pending	41.5

Property	Method	Requirement	IB PVC GR 60
Overall thickness of PVC sheet, min. mm (in.):	ASTM D638	1.14 (0.045)	1.5 (0.060)
Thickness over the scrim, min. (in.):	ASTM D638	0.40 (0.016) ^A	0.76 (0.030)
Tensile strength at break, min. MPa (psi):	ASTM D638		
Machine Direction		10.3 (1500)	10.6 (1537)
Cross-machine direction		10.4 (1500)	10.5 (1523)
Elongation at the break, min. %:	ASTM D638		
Machine direction		250	250
Cross-machine direction		220	220
Seam Strength, min. %:	ASTM D638	75	Pass
Retention of properties after heat aging:	ASTM D3045		
Tensile strength, min. % of original	ASTM D638	90	Pass
Elongation, min. % of original	ASTM D638	90	Pass
Tear Resistance, min. N (lbf):	ASTM D1004	45.0 (10)	71.0 (16)
Low temperature bend:	ASTM D2136	Pass	Pass
Accelerated weathering test:	ASTM G154		
Cracking (7x magnification)		No Cracking or Cracking	Pass, 5,000 hrs
Crazing (7x magnification)			Pass, 5,000 hrs
Discoloration			Negligible
Linear dimension change, max%:	ASTM D1204	0.1	-0.03
Change in weight after immersion in water, max %:	ASTM D570	+/- 3.0	< +/- 3.0
Static puncture resistance:	ASTM D5602	Pass	Pass
Dynamic puncture resistance:	ASTM D5635	Pass	Pass

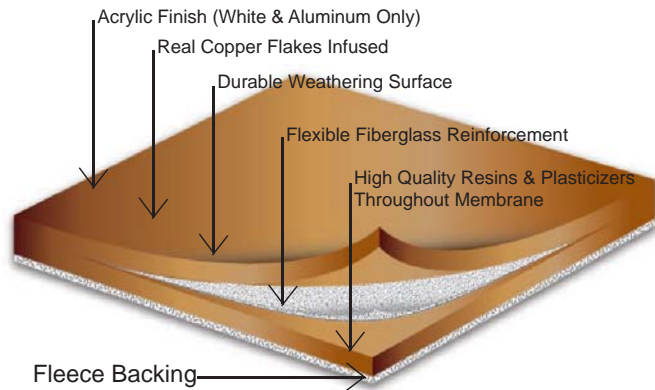
A: Above the cross points of any fabric or fiber and the surface exposed to the weather.

*As with copper metal roofing, there are multiple factors that play a role in the appearance of Old World Bronze over time. General exposure to elements such as UV and humidity along with the type of copper being used play a part in the amount of time it takes to change appearance and the actual severity of that change in color. Simply, the grade and quantity of copper used in the material will cause it to slightly darken to take on an appearance of light bronze over the course of the first year. Thereafter, the product will continue to slightly darken with each year depending on the surrounding environment. As with any IB Roof Systems membrane, airborne pollution and dust along with frequent rainfall affect the cleanliness of the roof surface, in turn, affecting the appearance.

IB PVC GR FB 60

Product Description:

IB PVC GR-60FB is a high quality fiberglass reinforced single ply membrane designed for fully adhered systems. The fiberglass reinforcement provides strength, fire resistance and dimensionally stability along with a strong 200 g/m² non-woven polyester fleece on the bottom surface. IB PVC GR-60FB is manufactured utilizing a “Cast-Spreading” technique formulated with high quality resins, plasticizers, stabilizers and other proprietary materials for superior performance characteristics. To further create the look of a metal roof, matching IB Flexible Metal Profiles may be welded to the surface of the membrane to simulate standing seam metal. Physical properties are typical results tested to ASTM D4434-06, Type II for PVC membranes.



Packaging:

Size Sq. Ft. / Weight per roll (approx.)
 5' x 70' 350 sq. ft. / 146 lbs.

Features:

- Coverage: 350 sq. ft.
- Weatherproof and UV Resistance
- Acrylic Finish
- Durable Heavy Fleece-Backing
- Dimensional Stability
- Flexibility at Low Temperatures
- Resistant to Puncturing

Use:

IB PVC GR-60FB can be installed over a properly prepared substrate (insulation, cover board or other pre-approved materials) with IB Water Borne or approved IB adhesive. All seams (side and end laps) are thermally welded using a hot air welder with a minimum weld width of 1-1/2". Seal seams where required with matching IB PVC GR Edge Sealant.

Warranties:

IB PVC GR FB 60 has a 20-Year Limited Material Warranty and is available for 'Warranty Plus' and 'Total Systems' warranties for IB Roof Systems Authorized Applicators.

Available Colors:

- Old World Bronze
- Aluminum
- White

Approvals:

IB PVC membranes are listed with various component assemblies at UL and Factory Mutual (F.M. Global) for fire, wind uplift and impact resistance. Visit our website for links to these agencies and listings at: www.ibroof.com.

Solar Reflectance / Thermal Emittance / Calculated SRI Values					
Membrane Color	Solar Reflectance	Thermal Emittance	SRI Value Initial	SRI Value 3-Year Aged	LRV
White	0.770	0.86	95	Pending	87.5
O.W. Bronze	0.42	0.78	43	Pending	25.5
Aluminum	0.41	0.75	40	Pending	41.5

Property	Method	Requirement	IB PVC GR 60
Overall thickness of PVC sheet, min. mm (in.):	ASTM D751	1.14 (0.045)	1.5 (0.060) ^A
Thickness over the scrim, min. (in.):	ASTM D751	0.40 (0.016) ^B	0.76 (0.030)
Breaking Strength, min, kN/m (lbf/in.)	ASTM D751	35 (200)	60 (346)
Elongation at the break, min. %:	ASTM D751		
Machine direction		15	76
Cross-machine direction		15	94
Seam Strength, min. %:	ASTM D751	75	Pass
Retention of properties after heat aging:	ASTM D3045		
Breaking strength, min. %	ASTM D751	90	Pass
Elongation, min. % of original	ASTM D751	90	Pass
Low temperature bend:	ASTM D2136	Pass	Pass
Accelerated weathering test:	ASTM G154		
Cracking (7x magnification)		No Cracking or	Pass, 5,000 hrs
Crazing (7x magnification)		Crazing	Pass, 5,000 hrs
Discoloration			Negligible
Linear dimension change, max%:	ASTM D1204	0.1	-0.03
Static puncture resistance:	ASTM D5602	Pass	Pass
Dynamic puncture resistance:	ASTM D5635	Pass	Pass

A: The fleece backing on the membrane adds an additional 20 Mills (0.020) to the overall thickness
 B: Above the cross points of any fabric or fiber and the surface exposed to the weather
 C: For Type II, Grade 1 products, dynamic puncture shall be evaluated at an energy level of 10 J min. For Type II, Grade 2 or Type III products, dynamic puncture shall be evaluated at an energy level of 20 J min.

IB Energy Board II

Product Description:

IB Energy Board II is a closed-cell polyisocyanurate foam core integrally bonded to non-asphaltic, fiber-reinforced organic felt facers. IB Energy Board II is a product that offers Long-Term-Thermal-Resistance (LTTR) values from 5.7 to 26.8 and is available in 4' x 4' and 4' x 8' panels.

Packaging:

IB Energy Board II is shrink-wrapped and job site delivered.

Features:

- Manufactured using CFC-, HCFC- and HFC- free foam blowing technology
- Excellent LTTR to thickness ratio
- Sustainable Building Material
- Zero Ozone Depletion Potential (ODP)
- Virtually no Global Warming Potential (GWP)*
- Reduces cooling and heating loss transmission through roofing assemblies
- Covered component under the IB warranty
- Can be used for mechanically attached, fully adhered, or ballasted roof assemblies

Application:

IB Energy Board II can be installed over approved substrates. Refer to IB Specifications and Construction Details for additional installation instructions.

Multi-Layer Installation:

Improved insulation thermal performance and a reduction of thermal bridging can be obtained by the installation of two or more layers with all joints offset. Avoid continuous vertical joints on all multi-layer applications by staggering and offsetting the joints of each layer from those of preceding layers.

Approvals:

- ASTM C1289, Type II, Class 1, Grade 2 (20 psi) or Grade 3 (25 psi)
- UL Standard 1256 Classification Construction No. 120, 123 & 292
- UL Standard 790 (ASTM E108) Roofing Systems Classification
- UL Standard 263 (ASTM E119) Fire Resistance Classification
- UL Standard 1897 Uplift Resistance
- CAN/ULC-S704, Type 2, Class 3 or Type 3, Class 3
- CCMC No. 12464-L
- FM Standard 4450/4470 Approved
- UL Certified for Canada – Insulated Roof Deck Assemblies Construction No. C38 and 52. Meet CAN/ULC-S126, CAN/ULC-S101 and CAN/ULC-S107
- GWP of IB Energy Board II is negligible and is considered zero (0) by the U.S. EPA.



Thickness	Avg. LTTR	Flute Span	Weight lb/sf	Recycled Content		
				Post	Pre	Total
1.0"	5.7	2.6"	.245	33.7%	19.2%	52.9%
1.5"	8.6	4.3"	.313	26.4%	18.2%	44.6%
1.6"	9.1	4.3"	.326	25.3%	18.0%	43.3%
1.8"	10.3	4.3"	.353	23.4%	17.8%	41.1%
2.0"	11.4	4.3"	.380	21.7%	17.5%	39.2%
2.3"	13.2	4.3"	.412	19.6%	17.2%	36.8%
2.5"	14.4	4.3"	.448	18.4%	17.1%	35.5%
2.6"	15	4.3"	.461	17.9%	17.0%	34.9%
2.7"	15.6	4.3"	.475	17.4%	16.9%	34.3%
3.0"	17.4	4.3"	.515	16.0%	16.7%	32.7%

Typical Physical Properties		
Property	Test Method	Result
Dimensional Stability	ASTM D2126	< 2%
Compressive Strength	ASTM D1621	20 psi or 25 psi
Water Absorption	ASTM C209 & D2842	< 1.5%, < 335%
Water Vapor Transmission	ASTM E96	< 1.5 perm
Product Density	ASTM D1622	Nominal 2.0 pcf
Flame Spread	ASTM E84 (10 min.)	140-60
Smoke Development	ASTM E84 (10 min.)	150-170
Tensile Strength	ASTM D1623	> 730 psf
Service Temperature		-100° to +250° F
*Physical properties shown are based on data obtained under controlled conditions and are subject to normal manufacturing tolerances.		

IB Energy Board II Tapered

Product Description:

IB Energy Board II Tapered is a closed-cell polyisocyanurate foam core integrally bonded to non-asphaltic, fiber-reinforced organic felt facers. IB Energy Board II Tapered offered in a variety of slopes, to achieve positive drainage as well as Long-Term-Thermal-Resistance (LTTR). Available in 4' x 4' panels with 1/8", 1/4" and 1/2" per foot slope.



Packaging:

IB Energy Board II Tapered is shrink-wrapped and job site delivered.

Features:

- Manufactured using CFC-, HCFC- and HFC-free foam blowing technology
- Excellent LTTR to thickness ratio
- Sustainable Building Material
- Zero Ozone Depletion Potential (ODP)
- Virtually no Global Warming Potential (GWP)*
- Reduces cooling and heating loss transmission through roofing assemblies
- Covered component under the IB Total Systems Warranty
- Can be used for mechanically attached, fully adhered, or ballasted roof assemblies

Application:

IB Energy Board II Tapered can be installed over approved substrates. Refer to IB Specifications and Construction Details for additional installation instructions.

Multi-Layer Installation:

Improved insulation thermal performance and a reduction of thermal bridging can be obtained by the installation of two or more layers with all joints offset. Avoid continuous vertical joints on all multi-layer applications by staggering and offsetting the joints of each layer from those of preceding layers.

Approvals:

- ASTM C1289, Type II, Class 1, Grade 2 (20 psi) or Grade 3 (25 psi)
- UL Standard 1256 Classification Construction No. 120, 123 & 292
- UL Standard 790 (ASTM E108) Roofing Systems Classification
- UL Standard 263 (ASTM E119) Fire Resistance Classification
- UL Standard 1897 Uplift Resistance
- CAN/ULC-S704, Type 2, Class 3 or Type 3, Class 3
- CCMC No. 12464-L
- FM Standard 4450/4470 Approved
- UL Certified for Canada – Insulated Roof Deck Assemblies Construction No. C38 and 52. Meet CAN/ULC-S126, CAN/ULC-S101 and CAN/ULC-S107
- GWP of IB Energy Board II Tapered is negligible and is considered zero (0) by the U.S. EPA.

Slope	Label	Thickness Min	Thickness Max	Avg. LTTR	Weight lb/sf	Recycled Content		
						Post	Pre	Total
1/8"	AA	0.5"	1.0"	4.3	.211	39.1%	20.0%	59.0%
1/8"	A	1.0"	1.5"	7.1	.279	29.6%	18.6%	48.2%
1/8"	B	1.5"	2.0"	10.0	.346	23.8%	17.8%	41.6%
1/8"	C	2.0"	2.5"	12.9	.414	19.9%	17.3%	37.2%
1/4"	X	0.5"	1.5"	5.7	.245	33.7%	19.2%	52.9%
1/4"	Y	1.5"	2.5"	11.4	.380	21.7%	17.5%	39.2%
1/2"	Q	0.5"	2.5"	8.6	.313	26.4%	18.2%	44.6%

Typical Physical Properties		
Property	Test Method	Result
Dimensional Stability	ASTM D2126	<2%
Compressive Strength	ASTM D1621	20 psi or 25 psi
Water Absorption	ASTM C209 & D2842	<1.5%, <3.5%
Water Vapor Transmission	ASTM E96	<1.5 perm
Product Density	ASTM D1622	Nominal 2.0 pcf
Flame Spread	ASTM E84 (10 min.)	140-60
Smoke Development	ASTM E84 (10 min.)	150-170
Tensile Strength	ASTM D1623	>730 psf
Service Temperature		-100° to +250° F
*Physical properties shown are based on data obtained under controlled conditions and are subject to normal manufacturing tolerances.		

IB Energy Board III

Product Description:

IB Energy Board III is a closed-cell polyisocyanurate foam core integrally bonded to inorganic coated glass facers. IB Energy Board III is a product that offers Long-Term-Thermal-Resistance (LTTR) values from 5.7 to 26.8 and is available in 4' x 4' and 4' x 8' panels.

Packaging:

IB Energy Board III is shrink-wrapped and job site delivered.

Features:

- Manufactured using CFC-, HCFC- and HFC- free foam blowing technology
- Excellent LTTR to thickness ratio
- Sustainable Building Material
- Zero Ozone Depletion Potential (ODP)
- Virtually no Global Warming Potential (GWP)*
- Reduces cooling and heating loss transmission through roofing assemblies
- Covered component under the IB warranty
- Can be used for mechanically attached, fully adhered, or ballasted roof assemblies

Application:

IB Energy Board III can be installed over approved substrates. Refer to IB Specifications and Construction Details for additional installation instructions.

Multi-Layer Installation:

Improved insulation thermal performance and a reduction of thermal bridging can be obtained by the installation of two or more layers with all joints offset. Avoid continuous vertical joints on all multi-layer applications by staggering and offsetting the joints of each layer from those of preceding layers.

Approvals:

- ASTM C1289, Type II, Class 2, Grade 2 (20 psi) or Grade 3 (25 psi)
- UL Standard 1256 Classification Construction No. 120, 123 & 292
- UL Standard 790 (ASTM E108) Roofing Systems Classification
- UL Standard 263 (ASTM E119) Fire Resistance Classification
- UL Standard 1897 Uplift Resistance
- CAN/ULC-S704, Type 2, Class 3 or Type 3, Class 3
- CCMC No. 12464-L
- FM Standard 4450/4470 Approved
- UL Certified for Canada – Insulated Roof Deck Assemblies Construction No. C38 and 52. Meet CAN/ULC-S126, CAN/ULC-S101 and CAN/ULC-S107
- GWP of IB Energy Board II is negligible and is considered zero (0) by the U.S. EPA.



Thickness	Avg. LTTR	Flute Span	Weight lb/sf	Recycled Content		
				Post	Pre	Total
1.0"	5.7	2.6"	.245	-	6.2%	6.2%
1.5"	8.6	4.3"	.313	-	7.7%	7.7%
1.6"	9.1	4.3"	.326	-	7.9%	7.9%
1.8"	10.3	4.3"	.353	-	8.3%	8.3%
2.0"	11.4	4.3"	.380	-	8.7%	8.7%
2.3"	13.2	4.3"	.412	-	9.2%	9.2%
2.5"	14.4	4.3"	.448	-	9.4%	9.4%
2.6"	15	4.3"	.461	-	9.6%	9.6%
2.7"	15.6	4.3"	.475	-	9.7%	9.7%
3.0"	17.4	4.3"	.515	-	10.0%	10.0%

Typical Physical Properties		
Property	Test Method	Result
Dimensional Stability	ASTM D2126	<2%
Compressive Strength	ASTM D1621	20 psi or 25 psi
Water Absorption	ASTM C209 & D2842	<1.5%, <3.5%
Water Vapor Transmission	ASTM E96	<4.0 perm
Product Density	ASTM D1622	Nominal 2.0 pcf
Flame Spread	ASTM E84 (10 min.)	140-60
Smoke Development	ASTM E84 (10 min.)	150-170
Tensile Strength	ASTM D1623	>730 psf
Service Temperature	-	-100° to +250° F
*Physical properties shown are based on data obtained under controlled conditions and are subject to normal manufacturing tolerances.		

IB Energy Board III Tapered

Product Description:

IB Energy Board III Tapered is a closed-cell polyisocyanurate foam core integrally bonded to non-asphaltic, fiber-reinforced organic felt facers. IB Energy Board III Tapered offered in a variety of slopes, to achieve positive drainage as well as Long-Term-Thermal-Resistance (LTTR). Available in 4' x 4' panels with 1/8", 1/4" and 1/2" per foot slope.

Packaging:

IB Energy Board II Tapered is shrink-wrapped and job site delivered.

Features:

- Manufactured using CFC-, HCFC- and HFC-free foam blowing technology
- Excellent LTTR to thickness ratio
- Sustainable Building Material
- Zero Ozone Depletion Potential (ODP)
- Virtually no Global Warming Potential (GWP)*
- Reduces cooling and heating loss transmission through roofing assemblies
- Covered component under the IB Total Systems Warranty
- Can be used for mechanically attached, fully adhered, or ballasted roof assemblies

Application:

IB Energy Board III Tapered can be installed over approved substrates. Refer to IB Specifications and Construction Details for additional installation instructions.

Multi-Layer Installation:

Improved insulation thermal performance and a reduction of thermal bridging can be obtained by the installation of two or more layers with all joints offset. Avoid continuous vertical joints on all multi-layer applications by staggering and offsetting the joints of each layer from those of preceding layers.

Approvals:

- ASTM C1289, Type II, Class 2, Grade 2 (20 psi) or Grade 3 (25 psi)
- UL Standard 1256 Classification Construction No. 120, 123 & 292
- UL Standard 790 (ASTM E108) Roofing Systems Classification
- UL Standard 263 (ASTM E119) Fire Resistance Classification
- UL Standard 1897 Uplift Resistance
- CAN/ULC-S704, Type 2, Class 3 or Type 3, Class 3
- CCMC No. 12464-L
- FM Standard 4450/4470 Approved
- UL Certified for Canada – Insulated Roof Deck Assemblies Construction No. C38 and 52. Meet CAN/ULC-S126, CAN/ULC-S101 and CAN/ULC-S107
- GWP of IB Energy Board II Tapered is negligible and is considered zero (0) by the U.S. EPA.



Slope	Label	Thickness Min	Thickness Max	Avg. LTTR	Weight lb/sf	Recycled Content		
						Post	Pre	Total
1/8"	AA	0.5"	1.0"	4.3	.281	-	5.2%	5.2%
1/8"	A	1.0"	1.5"	7.1	.349	-	7.0%	7.0%
1/8"	B	1.5"	2.0"	10.0	.416	-	8.2%	8.2%
1/8"	C	2.0"	2.5"	12.9	.484	-	9.1%	9.1%
1/4"	X	0.5"	1.5"	5.7	.315	-	6.20%	6.20%
1/4"	Y	1.5"	2.5"	11.4	.450	-	8.68%	8.68%
1/2"	Q	0.5"	2.5"	8.6	.383	-	7.66%	7.66%

Typical Physical Properties		
Property	Test Method	Result
Dimensional Stability	ASTM D2126	<2%
Compressive Strength	ASTM D1621	20 psi or 25 psi
Water Absorption	ASTM C209 & D2842	<1.5%, <3.5%
Water Vapor Transmission	ASTM E96	<4.0 perm
Product Density	ASTM D1622	Nominal 2.0 pcf
Flame Spread	ASTM E84 (10 min.)	140-60
Smoke Development	ASTM E84 (10 min.)	150-170
Tensile Strength	ASTM D1623	>730 psf
Service Temperature	-	-100° to +250° F

*Physical properties shown are based on data obtained under controlled conditions and are subject to normal manufacturing tolerances.

ACFoam-HS CoverBoard

Product Description:

ACFOAM®-HS Cover board is a closed-cell polyisocyanurate foam core integrally bonded to high performance ACFOAM-IV coated glass facer. Available in 4' x 4' (1220 mm x 1220 mm) and 4' x 8' (1220 mm x 2440 mm) panels.

Packaging:

ACFoam-HS Cover board is shrink-wrapped and job site delivered.

Features:

- High Performance Coated Glass Facer
- High compressive Strength (80psi, up to 110psi)
- Factory Mutual rated for severe hail
- Lightweight, easy to handle and cut
- GreenGuard listed for microbial (mold) resistance
- Manufactured using CFC-, HCFC- and HFC- free foam blowing technology
- Zero Ozone Depletion Potential (ODP)
- Virtually no Global Warming Potential (GWP)*
- Covered component under the IB Total Systems Warranty
- Can be used for mechanically attached, fully adhered, or ballasted roof assemblies

Application:

ACFoam-HS Cover board can be installed over approved substrates using mechanical fasteners, or approved insulation adhesive. Refer to IB Specifications and Construction Details for additional installation instructions.

Approvals:

- ASTM C1289, Type II, Class 4, Grade 1
- UL Standard 1256 Classification Construction No. 120, 123 & 292
- UL Standard 790 (ASTM E108) Roofing Systems Classification
- UL Standard 263 (ASTM E119) Fire Resistance Classification
- FM Standard 4450/4470 Approved
- FM 4474 rated SH-1 for severe Hail
- UL Certified for Canada –
- GWP of ACFOAM-HS Cover board is negligible and is considered zero (0) by the U.S. EPA.



Thickness	Avg. LTR	Weight (lb/sf)	Recycled Content		
			Post Consumer	Pre Consumer	Total
0.5"	2.5	.50	0%	5.3%	5.3%

Typical Physical Properties		
Property	Test Method	Result
Dimensional Stability	ASTM D2126	<0.5%
Compressive Strength	ASTM D1621	² Grade 1
Water Absorption	ASTM C209	<3.0%
Water Vapor Transmission	ASTM E96	<1.5 perm
Flame Spread	ASTM E84 (10 min.)	¹ 140-60
Smoke Development	ASTM E84 (10 min.)	¹ 150-170
Tensile Strength	ASTM D1623	> 2000 psf
Service Temperature		-100° to +250°

¹ Numerical ratings are not intended to reflect performance under actual fire conditions
² 80psi, up to 110psi

Securock Glass-Mat Roof Board

Product Description:

Securock Glass-Mat roof board is a high-performance roof board for use in mechanically attached low-slope commercial roofing systems. It enhances the durability of the entire roofing system when used as cover board in single-ply mechanically attached systems. Its specifically treated core and high-performance glass-mat facer provide protection against fire, mold and moisture.

Packaging:

Securock Glass-Mat Roof Board is shrink-wrapped and job site delivered.

Features:

- Fire Performance: Meets Factory Mutual (FM) Class 1 and Underwriters Laboratories (UL) Class A fire ratings for unlimited slope in fire barrier applications per UL 790.
- Easier to cut, handle, and install: High-quality mat produces less itchiness than competitive products.
- Moisture and Mold: Fiberglass face and back with treated core provides moisture and mold resistance. Scored a maximum “10” for mold resistance on ASTM D3273.

Application:

Securock Glass-Mat roof board can be installed over approved substrates. Refer to IB Specifications and Construction Details for additional installation instructions.

Limitations:

Keep Securock Glass-Mat roof board panels dry before, during and after installation. Securock Glass-Mat roof board should not be installed during rains, heavy fogs and any other conditions that deposit moisture on the surface of the board. Apply only as much Securock Glass-Mat roof board that can be covered by final roof membrane system in the same day. Avoid exposure to moisture from leaks or condensation. Plastic or poly packaging applied at the plant to protect board during rail or other transit should be removed upon receipt to prevent condensation or trapping of moisture, which may cause application problems.

Approvals:

- UL Classified as to Surface Burning Characteristics and Non-Combustibility in accordance with ASTM
- 1/4”, 1/2” and 5/8” Thickness – Class A unlimited slope in accordance with UL790 (CAN/ULC-S107)
- FM Approved
- Complies with requirements of FM 4450 and FM 4470
- Meets FM Class 1



Typical Physical Properties			
Properties	1/4"	1/2"	5/8"
Width, standard	4'	4'	4'
Length, standard	8'	8'	8'
Pieces per unit for 4' x 8' sheet	42	30	30
Weight, nominal lbs. / unit 4' x 8' sheet	1688	1995	2667
Weight, nominal lbs. / sq. ft.	1.2	2.0	2.7
Flexural strength, parallel, lbs. min. per ASTM C473	40	80	100
Compressive strength, psi nominal	700-1000	700-1000	700-1000
Flute spannability per ASTM E661	2-5/8"	5"	8"
Permeance, perms per ASTM E96	18	18	16
R Value per ASTM C518	0.36	0.53	0.54
Coefficient of thermal expansion, inches/inch · %RH, per ASTM D1037	8.5 x 10-6	8.5 x 10-6	8.5 x 10-6
Linear variation with change in moisture, inches/inch · %RH, per ASTM D1037	6.3 x 10-6	6.3 x 10-6	6.3 x 10-6
Water absorption, % max, per ASTM C473	10	10	10
Mold resistance per ASTM D3273*	10	10	10
Bending Radius	4'	6'	9'

*ASTM D3273 Mold Resistance Testing – In independent lab tests conducted on Securock Gypsum-Fiber roof board and Securock Glass-Mat roof board at the time of manufacture per ASTM D3273 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber, both panels scored a 10. The ASTM lab test may not accurately represent the mold performance of building materials in actual use. Given unsuitable project conditions during storage, installation or after completion, any building material can be overwhelmed by mold. To manage the growth of mold, the best and most cost effective strategy is to protect building products from water exposure during storage and installation and after completion of the building. This can be accomplished by using good design and construction practices

Securock Gypsum-Fiber Roof Board

Product Description:

Securock Gypsum-Fiber Roof Board is a high-performance roof board for use in low-slope roofing systems. Its unique, fiber-reinforced, homogenous composition gives the panel strength and water resistance through to the core. Securock Gypsum-Fiber Roof Board provides exceptional bond and low absorption in adhered systems and achieves high wind uplift ratings with no risk of facer delamination due to its homogenous composition.

Packaging:

Securock Gypsum-Fiber Roof Board is shrink-wrapped and job site delivered.

Features:

- **Exceptional Strength:** Engineered to provide superior wind-uplift performance for a wide variety of roof assemblies. Securock Gypsum-Fiber Roof Board has uniform composition providing enhanced bond strength of membrane systems with no risk of facer delamination.
- **Fire Performance:** Provides excellent fire performance and demonstrates exceptional surface burning characteristics (ASTM E84 Flame Spread 5, Smoke Developed 0).
- **Moisture and Mold:** Integral water-resistant core ensures excellent moisture and mold resistance.

Application:

Securock Gypsum-Fiber Roof Board can be installed over approved substrates. Refer to IB Specifications and Construction Details for additional installation instructions.

Limitations:

Keep Securock Gypsum-Fiber Roof Board panels dry before, during and after installation. Securock Gypsum-Fiber Roof Board should not be installed during rains, heavy fogs or any other conditions that deposit moisture on the surface of the board. Apply only as much Securock Gypsum-Fiber Roof Board that can be covered by final roof membrane system in the same day. Avoid exposure to moisture from leaks or condensation. Plastic or poly packaging applied at the plant to protect board during rail or other transit should be removed upon receipt to prevent condensation or trapping of moisture, which may cause application problems.

Approvals:

- UL Classified as to Surface Burning Characteristics and Non-Combustibility in accordance with ASTM E84 (CAN/ULC-S102).
- 1/4", 1/2" and 5/8" Thickness – Class A in accordance with UL790 (CAN/ULC-S107)
- 5/8" thickness – Meets requirements of Type X per ASTM C1278 and may be used in P series designs as a thermal barrier.
- Complies with requirements of FM 4450 and FM 4470
- Meets FM Class 1



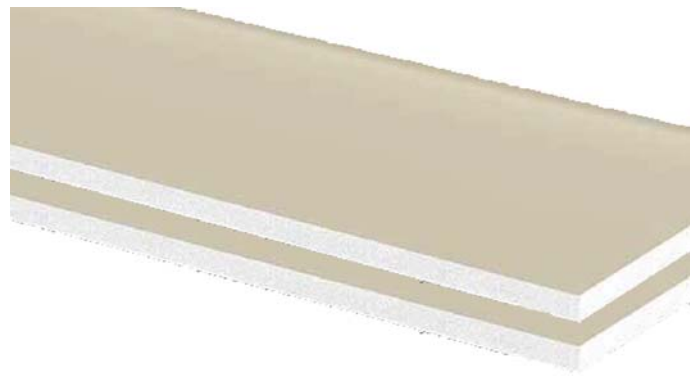
Typical Physical Properties			
Properties	1/4"	1/2"	5/8"
Width, standard	4'	4'	4'
Length, standard	8'	8'	8'
Pieces per unit for 4' x 8' sheet	50	30	24
Weight, nominal lbs. / unit 4' x 8' sheet	2,575	2,725	2,525
Weight, nominal lbs. / sq. ft.	1.57	2.76	3.20
Flexural strength, parallel, lbs. min. per ASTM C473	40	110	161
Compressive strength, psi nominal	1800	1800	1800
Flute spannability per ASTM E661	2-5/8"	8"	10"
Permeance, perms per ASTM E96	30	26	24
R Value per ASTM C518	0.2	0.5	0.6
Coefficient of thermal expansion, inches/inch · %RH, per ASTM D1037	8.0 x 10-6	8.0 x 10-6	8.0 x 10-6
Linear variation with change in moisture, inches/inch · %RH, per ASTM D1037	8.0 x 10-6	8.0 x 10-6	8.0 x 10-6
Water absorption, % max, per ASTM C473	10	10	10
Mold resistance per ASTM D3273*	10	10	10
Bending Radius	25'	25'	30'

*ASTM D3273 Mold Resistance Testing – In independent lab tests conducted on Securock Gypsum-Fiber roof board and Securock Glass-Mat roof board at the time of manufacture per ASTM D3273 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber, both panels scored a 10. The ASTM lab test may not accurately represent the mold performance of building materials in actual use. Given unsuitable project conditions during storage, installation or after completion, any building material can be overwhelmed by mold. To manage the growth of mold, the best and most cost effective strategy is to protect building products from water exposure during storage and installation and after completion of the building. This can be accomplished by using good design and construction practices

DensDeck

Product Description:

An exceptional fire barrier, thermal barrier, cover board and recovery board used in various roofing systems. The design employs fiberglass mat facers that are mechanically bonded to a high density gypsum core, providing excellent fire resistance and wind uplift properties. The unique construction provides superior flute spanning that stiffens and provides increased foot traffic resistance to the roof deck. DensDeck has been shown to withstand delamination, deterioration, warping and job-site damage more effectively than substrates such as paper-faced gypsum board, fiberboard and perlite. DensDeck is highly resistant to the growth of mold when tested, as manufactured, per ASTM D3273.



Packaging:

DensDeck is shrink-wrapped and job site delivered

Features:

- UL code ratings available for high slopes and wood decks
- FM Approved
- Improves resistance to foot traffic and hail damage
- Excellent wind uplift ratings
- Resistant to deterioration, warping, and jobsite damage

Application:

DensDeck can be installed over approved substrates. Refer to IB Specifications and Construction Details for additional installation instructions.

Moisture Management:

DensDeck Roof Boards, like other components used in roofing systems, must be protected from exposure to moisture before, during and after installation. Remove the plastic packaging from all DensDeck Roof Board immediately upon receipt of delivery. Failure to remove the plastic packaging may result in entrapment of condensation or moisture.

Approvals:

- ASTM C1177
- Florida Product Approval
- Miami-Dade County, Product Control Approved
- UL 790 Classification
- UL 1256 Classification
- FM Standard 4450 – 1/4” DensDeck

Typical Physical Properties			
Properties	1/4"	1/2"	5/8"
Thickness, nominal	1/4"±1/16"	1/2"±1/32"	5/8"±1/32"
Width, standard	4'±1/8"	4'±1/8"	4'±1/8"
Length, standard	8'±1/4"	8'±1/4"	8'±1/4"
Weight, nominal, lbs./sq. ft.	1.2	2.0	2.5
Surfacing	Fiberglass mat	Fiberglass mat	Fiberglass mat
Flexural Strength ¹ , parallel, lbf. min.	≥40	≥80	≥100
Flute Spanability ²	2-5/8"	5"	8"
Permeance ³ , perms	>50	>35	>32
R Value ⁴ , ft ² ·°F·hr/BTU (m ² ·K/W)	.28	.56	.67
Linear Variation with Change in Temp.	8.5 x 10 ⁻⁶	8.5 x 10 ⁻⁶	8.5 x 10 ⁻⁶
Water Absorption ⁵ , % max	<10	<10	<10
Compressive Strength ⁶ , psi nominal	900	900	900
Surface Water Absorption, grams, nominal	<2.5	<2.5	<2.5
Flame Spread, Smoke Developed (ASTM E84)	0/0	0/0	0/0
Bending Radius	5'	8'	12'

1. Tested in accordance with ASTM C473 method B.
 2. Tested in accordance with ASTM E661.
 3. Tested in accordance with ASTM E96 (dry cup method).
 4. Tested in accordance with ASTM C518 (heat flow meter).
 5. Tested in accordance with ASTM C1177.
 6. Tested in accordance with ASTM C473.

DensDeck Prime

Product Description:

An exceptional fire barrier, thermal barrier, cover board and recovery board used in various roofing systems. The facer is enhanced to allow adhesives to be applied more uniformly and consistently. DensDeck Prime creates a stronger and more economical installation by reducing the amounts of adhesive used and potentially eliminates any primers.

Packaging:

DensDeck Prime is shrink-wrapped and job site delivered.

Features:

- UL code ratings available for high slopes and wood decks
- FM Approved
- Improves resistance to foot traffic and hail damage
- Excellent wind uplift ratings
- Resistant to deterioration, warping, and jobsite damage

Application:

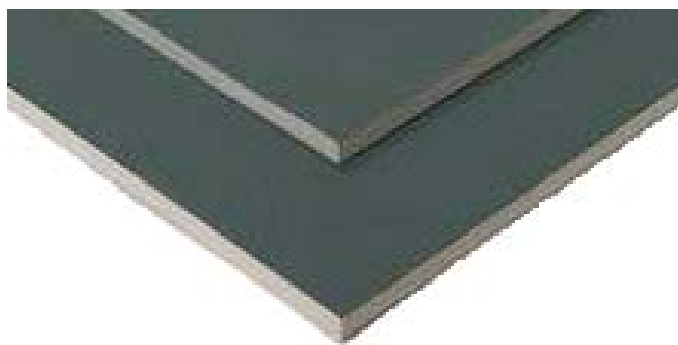
DensDeck can be installed over approved substrates. Refer to IB Specifications and Construction Details for additional installation instructions.

Moisture Management:

DensDeck Prime Roof Boards, like other components used in roofing systems, must be protected from exposure to moisture before, during and after installation. Remove the plastic packaging from all DensDeck Prime Roof Board immediately upon receipt of delivery. Failure to remove the plastic packaging may result in entrapment of condensation or moisture.

Approvals:

- ASTM C1177
- Florida Product Approval
- Miami-Dade County, Product Control Approved
- UL 790 Classification
- UL 1256 Classification
- FM Standard 4450 – 1/4" DensDeck



Typical Physical Properties			
Properties	1/4"	1/2"	5/8"
Thickness, nominal	1/4"±1/16"	1/2"±1/32"	5/8"±1/32"
Width, standard	4'±1/8"	4'±1/8"	4'±1/8"
Length, standard	4' and 8'±1/4"	4' and 8'±1/4"	4' and 8'±1/4"
Weight, nominal, lbs./sq. ft.	1.2	2.0	2.5
Surfacing	Fiberglass mat with non-asphaltic coating	Fiberglass mat with non-asphaltic coating	Fiberglass mat with non-asphaltic coating
Flexural Strength ¹ , parallel, lbf. min.	≥40	≥80	≥100
Flute Spanability ²	2-5/8"	5"	8"
Permeance ³ , perms	>30	>23	>17
R Value ⁴ , ft ² ·°F·hr/BTU (m ² ·K/W)	.28	.56	.67
Linear Variation with Change in Temp., in/in °F	8.5 x 10 ⁻⁶	8.5 x 10 ⁻⁶	8.5 x 10 ⁻⁶
Linear Variation with Change in Moisture	6.25 x 10 ⁻⁶	6.25 x 10 ⁻⁶	6.25 x 10 ⁻⁶
Water Absorption ⁵ , % max	<10	<10	<10
Compressive Strength ⁶ , psi nominal	900	900	900
Surface Water Absorption, grams, nominal	<2.0	<2.0	<2.0
Flame Spread, Smoke Developed (ASTM E84)	0/0	0/0	0/0
Bending Radius	4'	6'	8'

1. Tested in accordance with ASTM C473 method B.
 2. Tested in accordance with ASTM E661.
 3. Tested in accordance with ASTM E96 (dry cup method).
 4. Tested in accordance with ASTM C518 (heat flow meter).
 5. Tested in accordance with ASTM C1177.
 6. Tested in accordance with ASTM C473.

R-Tech Fanfold Roof Underlayment

Product Description:

Insulfoam R-Tech Fanfold Roof Underlayment is a high-performance rigid insulation consisting of a superior closed-cell, lightweight and resilient expanded polystyrene (EPS) with advanced polymeric laminate facers. R-Tech Fanfold Roof Underlayment has excellent dimensional stability, compressive strength and water resistant properties. R-Tech Fanfold Roof Underlayment is available in 1/2" x 4' x 50' bundles, constructed from 24" x 48" panels laminated to a polymeric top facer.



Packaging:

R-Tech Fanfold Roof Underlayment is shrink-wrapped and job site delivered.

Features:

- Retains thermal properties
- Lightweight
- High resistance to moisture
- Polymeric laminate facers

Application:

Insulfoam R-Tech Fanfold Roof Underlayment can be installed over approved substrates. Refer to IB Specifications and Construction Details for additional installation instructions.

Typical Physical Properties		
Properties	Standard	Results
Density	ASTM C303	Type VIII #1.25
Thermal Resistance	ASTM C518 or ASTM C177	
@ 40 F		4.25
@ 75 F		3.92
Comprehensive Strength (psi, 10% deformation)	ASTM D1622	13-18 psi
Flexural Strength	ASTM D203	32-38 psi
Water Vapor Transmission (perms)	ASTM E96	1.5% - 3.5%
Water Absorption (% vol.)	ASTM C272	< 3.0%
Flame Spread	ASTM E84	< 20
Smoke Developed	ASTM E84	150-300

Approvals:

- UL Standard 790 (ASTM E108) Roofing Systems Classification

Poly Shield Fanfold Recovery Board

Product Description:

Cellofoam’s Poly Shield Fanfold Recovery Board is available in 1/2” x 4’ x 50’ bundles, constructed from 24” x 48” panels laminated to a polymeric top facer. Poly Shield fanfold provides a smooth resilient underlayment which eliminates the potential for oil canning or telescoping.

Packaging:

Cellofoam’s Poly Shield Fanfold Recovery Board is shrink-wrapped and job site delivered.

Features:

- Retains thermal properties
- Lightweight
- High resistance to moisture
- Poly laminate facer on both side



Application:

Cellofoam’s Poly Shield Fanfold Recovery Board can be installed over approved substrates. Refer to IB Specifications and Construction Details for additional installation instructions.

Approvals:

- UL Standard 790 (ASTM E108) Roofing Systems Classification

Typical Physical Properties		
Properties	Standard	Results
Density	ASTM C303	Type VIII #1.25
Thermal Resistance	ASTM C518 or ASTM C177	
@ 40 F		4.25
@ 75 F		3.92
Coefficient Thermal Expansion	ASTM D696	0.000035
Max. Service Temp.		
Long Term		167° F
Intermittent		180° F
Comprehensive Strength (psi, 10% deformation)	ASTM D1621	13-18 psi
Flexural Strength	ASTM D203	32-38 psi
Water Vapor Transmission (perms)	ASTM E96	1.5% - 3.5%
Water Absorption	ASTM C272	< 3.0%

Pipe Flashings

Product Description:

IB factory fabricated cone flashings feature a dielectrically welded reinforced IB PVC Single-Ply base and a 60 mil non-reinforced IB PVC Single-Ply upper. IB factory fabricated pipe flashings are designed for easy installation to reduce jobsite labor and callbacks by reducing workmanship errors. They are available in a variety of formats including Short A, size A-D Cone flashings in regular and split, Oval 0.25, Round 0.25 and custom No-Cone pipe flashings made to your specifications.

Packaging:

IB factory fabricated cone flashings are shipped in cardboard boxes of assorted sizes.

Use:

IB Pipe Flashings are typically installed around rooftop penetrations such as pipes, conduit, gas lines and other circular profile penetrations and flashings.

Available Colors:

Available in all IB Membrane colors.



Cone Flashing Specifications						
Flashing Type	Available In Split	Base Flashing	Base	Top	Height	Box Quantity
Short A Cone	YES	13-1/2"	3-1/4"	1/4"	5-1/2"	50
A Cone	YES	13-1/2"	4-1/2"	1"	8-1/2"	50
B Cone	YES	14-1/2"	5-1/4"	2-3/8"	10-1/2"	50
C Cone	YES	17"	8"	4"	10-1/2"	25
D Cone	YES	23"	12"	7-1/2"	9"	25
E Cone	YES	28"	18"	9-1/2"	12"	25
4" Oval 0.25 Cone	NO	17" x 22"	6" x 10"	3" x 6"	5"	50
4" Round 0.25 Cone	NO	21" x 21"	-	-	5"	50
6" Round 0.25 Cone	NO	24" x 24"	-	-	6"	50
8" Round 0.25 Cone	NO	26" x 26"	-	-	6-1/2"	50

Inside & Outside Corners

Inside Corner Product Description:

IB Inside Corners are factory fabricated from 60 mil., non-reinforced IB PVC Single Ply for easy installation to reduce jobsite labor and callbacks by reducing workmanship errors. They are designed for use on non-canted 90° inside corner details in accordance with IB Specifications and Construction Details.

Packaging:

Inside Corners: Individual / 100 per box.

Weight:

Inside Corners: .21 lbs. / 22 lbs. per box.

Available Colors:

Available in all IB Membrane and DeckShield colors.



Inside Corner Specifications		
Type of Corner	Height (side)	Width (side)
Inside Corner	5"	5"

Outside Corner Product Description:

IB Outside Corners are factory fabricated from 60 mil., non-reinforced IB PVC Single Ply for easy installation to reduce jobsite labor and callbacks by reducing workmanship errors. They are designed for use on non-canted 90° outside corner details in accordance with IB Specifications and Construction Details.

Packaging:

Outside Corners: Individual / 50 per box.

Weight:

Outside Corners: .3 lbs. / 17 lbs. per box.

Available Colors:

Available in all IB Membrane and DeckShield colors.



Outside Corner Specifications		
Type of Corner	Height (side)	Width (side)
Outside Corner	5"	5"

IB Cover Strip

Product Description:

IB Cover Strip is made from a polyester scrim reinforced, compounded pvc resin based sheet with plasticizers, stabilizers, fillers, pigments and other proprietary materials meeting ASTM D4434, Type III. Rolls are manufactured in nominal 50 to 80 mil thicknesses and use an anti-wicking scrim for added strength, tear resistance and enhanced moisture resistance.

Packaging:

6" x 90' - 50 mil and 60 mil rolls

6" x 60' - 80 mil rolls



Uses:

- Flashing roll for stripping-in IB PVC Clad Metal Drip Edge, Gravel Stop and clad metal flashings
- Flashing roll used as a cover strip over mechanically fastened batten-bars; over intermediate termination bars or fastener rows on walls, and over supplemental exposed fastening rows at Perimeter and Corner roof zones
- Flashing roll for detailing IB PVC Single Ply Fleeceback end laps

Installation:

Refer to IB Specifications and Construction Details for installation requirements and additional information for specific uses. IB Cover Strip is designed for hot air welded seaming and installation over approved IB PVC Single Ply membranes.

Approvals:

IB PVC Single-Ply membranes are listed with various component assemblies at UL and Factory Mutual (F.M. Global) for fire, wind uplift, impact, and chemical resistance. Visit our website for links to these agencies and listings at: www.ibroof.com.

IB N.R Detail Flashing Roll

Product Description:

IB N.R. Detail Flashing Rolls are made from non-reinforced IB PVC Single-Ply Membrane. They are manufactured in 60 mil thick, 12" wide by 22' length rolls. IB N.R. Detail Flashing is a non-reinforced, pliable product that is utilized for detail work which requires a flexible, easy to install membrane. Made from the same high-quality formulation as IB PVC Single-Ply, N.R. Detail Flashing Rolls are easily weldable and durable.

Packaging:

IB N.R. Detail Flashing Rolls are individually shrink wrapped.

Square Feet: 22 sq. ft. per roll Roll weight: 10.5 lbs.

Use:

IB N.R. Detail Flashing Rolls are used in a variety of IB Construction Details and in difficult to flash areas such as at canted corners, field wrapped penetrations and detailing joints in IB PVC Clad metal flashings.

Available Colors:

Available in all standard IB Membrane colors.



IB Round T-Joint Patch

Product Description:

Generally used to patch T-joints (mandatory on 80 Mil projects).

Packaging:

50 patches per pack.

Weight:

3.5 lbs. per pack.

Available Colors:

Available in all IB membrane colors.



Product Description:

N.R. 5" x 8" Metal Joint Patch. Pre-cut 60 mil. thick, non-reinforced IB PVC membrane patches designed to be used with a single-sided, bond breaker foil tape at end laps on IB PVC Clad Metal Drip Edge and Gravel Stop. When used at the end joints of clad metal in accordance with IB Construction Details, the inherent flexibility improves resistance to metal movement at end joints while permitting a water-tight, hot air welded seam to clad metal flashings and IB membranes.



Packaging:

50 Patches per pack

10 Packs per box

Size:

- 5" x 8" patch

Weight:

5 lbs. per pack

55 lbs. per box

Foil Tape Product Description:

Self-adhesive, single sided foil tape is used over the joints of IB PVC Clad Metal Drip Edge, Gravel Stop and clad metal flashings as a bond breaker. Foil tape prevents heat bonding of the flashing membrane over clad metal side and end joints.



Packaging:

Individual rolls or 24 per box.

Size:

2" x 150' roll

Weight:

1.5 lbs. per roll

IB Pitch Pans

Product Description:

IB Pitch Pans are fabricated from IB PVC Clad Metal constructed with a durable 45 mil non-reinforced IB PVC film laminated to 24 gauge, G90 coated galvanized sheet metal. Pitch pans can be custom fabricated to your exact specification or are available as split pans in stock sizes. They come equipped with a white factory welded, reinforced 50 mil. IB PVC Single Ply target flashing that allows for easy application over the newly installed IB roof system. Additional target thicknesses and colors may be custom ordered. IB Pitch Pans incorporate integral metal flanges for securement to suitable substrates using approved fasteners. They are used in conjunction with M-1 Sealant and One-Part Pourable Penetration Sealant.



Packaging:

Individual units

Standard Sizes:

4" x 4" x 4"

6" x 6" x 4"

8" x 8" x 4"

Features:

- Split pan format for ease of installation
- Factory welded reinforced membrane target
- Integral flanges for securement
- Custom orders available for a variety of membrane thicknesses and color options

Attachment:

IB Pitch Pans must be secured in place over the installed IB membrane with fasteners approved for the substrate type. Install pans in accordance with IB Specifications and Construction Details.

IB Retrofit Drain

Product Description:

Designed as a retrofit drain option for installation into various sized existing leader pipes. It is constructed from a heavy-duty one-piece spun aluminum body with cast aluminum clamping rings. The IB Retrofit Drain has a factory applied IB retrofit drain target sheet that can be hot air welded directly to the new IB Roof Systems finished surface. It features a strong mechanical ProSeal rubber seal to make a watertight connection between the installed drain and the drain leader. The IB Retrofit Drain is equipped with a heavy duty cast aluminum strainer dome that bolts securely into the drain body for strength, and durability.

Packaging:

Individually boxed (18" x 18" x 16").

Features:

- One-piece seamless heavy-duty body manufactured from 0.81 ga. spun aluminum
- Extra large 16" diameter drain flange
- Factory applied and sealed reinforced 23" x 23" IB membrane target
- Three bolt, heavy duty Aluminum Strainer dome; 10" diameter with 4-5/8" height
- Heavy Duty cast aluminum 1-1/4" tall clamping ring with drainage scallops to enhance drainage
- 12" long drain stem
- Simple and easy to install
- Available as an overflow
- 2" drain comes with a 2" wide band of high density expanding foam tape in place of the ProSeal rubber seal

Sizes:

2", 3", 4", 5" and 6"

Available Colors:

Available in all IB Membrane and DeckShield colors and membrane thicknesses.

ProSeal Screwdriver



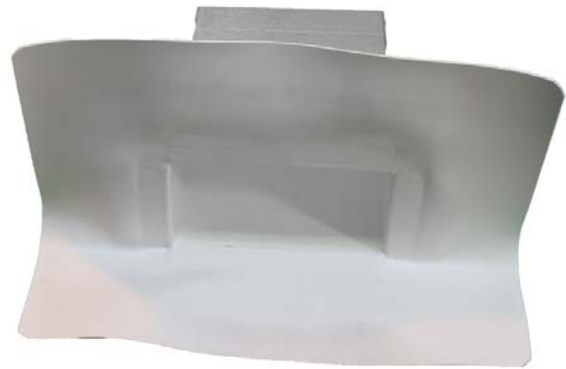
Retrofit Drain Physical Data		
Size	Primary Drain Weight	Over Flow Drain Weight
2"	11 lbs.	18 lbs.
3"	12 lbs.	19 lbs.
4"	12 lbs.	19 lbs.
5"	13 lbs.	20 lbs.
6"	14 lbs.	21 lbs.

Seal Expansion Capacity			
Drain Size	OD of Pre-Expanded Seal	Fits into Pipe ID	Fully Expandable Seal
3"	2.86"	2-7/8" – 3-1/4"	3.40"
4"	3.74"	3-7/8" – 4-1/4"	4.40"
5"	4.73"	4-7/8" – 5-1/4"	5.40"
6"	5.75"	5-7/8" – 6-1/4"	6.40"

Clad Metal Scupper

Product Description:

IB Clad Metal Scuppers are custom fabricated from IB PVC Clad Metal constructed with a durable 45 mil non-reinforced IB PVC film laminated to 24 gauge, ASTM A653-09, CS Type B, G90 coated galvanized sheet metal. Each scupper is made to your exact specification and is finished with a factory welded, non-reinforced 60 mil. IB PVC Single Ply target flashing that allows for easy application over the newly installed IB roof system. IB Clad Metal Scuppers incorporate large metal flanges for securement to suitable substrates using approved fasteners.



Packaging:

Individual units

Features:

- Custom factory fabricated flashing eliminates the errors of a field fabricated drain
- Easily attachable to the substrate
- Simple and easy to install from rooftop

Attachment:

Position scupper through the prepared opening and install two approved fasteners per flange (8 fasteners per scupper) to the substrate. Clean off any residue, dirt or other contaminants from the bottom of the IB Clad Metal Scupper and the roof surfaces and hot air weld the perimeter target. Seal outer drain body (minimum of 1") to the exterior wall and install conductor head and downspout.

Available Colors:

Available in all IB Membrane and DeckShield colors.

IB Drain Liner / Metal Drop Scupper

Product Description:

IB Drain Liners are available in 2", 3" and 4" sizes. They are factory fabricated with round straight tube leaders and a reinforced IB PVC Single-Ply target flashing that allows for easy application through IB Galvanized Metal Drop Scuppers over installed IB field membranes. IB Drain Liners are ideal for use at ponding conditions at overhangs that will allow for the installation of a conductor head and down spout/drain line.

Packaging:

Individually or 25 per box.

Features:

- Factory fabricated flashing eliminates the errors of a field fabricated drain
- Easily attachable to the substrate
- Simple and easy to install from rooftop

Available Colors:

Available in all IB Membrane and DeckShield colors.

Product Description:

Galvanized Metal Drop Scuppers are designed for use with IB Drain Liners and are available all standard sizes.

Installation Instructions:

Install the new IB roof system field membrane and secure around drain opening in accordance with IB Specifications and Construction Details. Set Galvanized Metal Drop Scupper through opening and secure flange with a minimum of 4 fasteners. Secure and seal outer drain body to the structure or exterior wall and install conductor head and downspout (connection provided by others). Clean and prepare field membrane and drain liner target flashing seam areas. Hot air weld the perimeter of the target flashing to the field membrane with a minimum 1-1/2" weld to provide a watertight seal.



Membrane Drain Liner			
Type of Drain Liner	Base Target	Diameter	Tube Length
2" Drain Liner	12" x 12"	1-7/8"	12"
3" Drain Liner	12" x 12"	2-7/8"	12"
4" Drain Liner	12" x 12"	3-7/8"	12"
Galvanized Metal Drop Scupper			
2" Metal Drop	8" x 8"	1-7/8"	9-1/2"
3" Metal Drop	8" x 8"	2-7/8"	9-1/2"
4" Metal Drop	10" x 10"	3-7/8"	10"

IB Recover Membrane Vent

Product Description:

Only available in two-way style. They are made of Heavy Duty UV Stabilized PVC. The strong cap is permanently attached, thus it is vandal and wind blown resistant. The 5" vent has an IB Membrane Target Patch dielectrically welded to the flange. The vents are designed for ease of installation.

Packaging:

Individually or 25 per box.

Weight:

2.4 lbs./ 60 lbs. per box.

Available Cap Colors:

White, Tan, Black and Gray.

Available Flashing Colors:

Available in all IB membrane and DeckShield colors.

Note:

IB requires 1 for every 1,000 sq. ft. on all mechanically attached assemblies. Limited to quantities in stock. Contact IB Roof Systems for availability.



IB 8" Roof Vent

Product Description:

Available in one-way or two-way styles. They are constructed from Super Heavy Duty UV Stabilized PVC with integral insect resistant screen. Deck flange includes pre-drilled holes for easy attachment to the roof deck. The strong cap is permanently attached to resist damage from vandals and wind. IB 8" Roof Vent comes with an IB membrane target patch dielectrically welded to the flange. Net free ventilation area of 52 square inches per vent.

Packaging:

Individual or 12 per box.

Weight:

6.5 lbs./ 94 lbs. per box.

Available Vent Colors:

White, Tan, Black and Gray

Available Flashing Colors:

Available in all IB Membrane and DeckShield colors.

Uses:

Install in accordance with IB Specifications and Construction Details. Two-way units may be used as general purpose roof vents to provide ventilation of interior attic and cavity spaces. Do not use over Dryer or Gas Vents, Heat Stacks, Chimney Vents, and Bath or Kitchen Vents. One-way units may be used for moisture vapor relief over existing roofs and substrates on recover assemblies, and over wet poured decks such as Lightweight Insulating Concrete.

Note:

One-way vents are special order basis only. One-way and two-way vents are limited to quantities in stock. Contact IB Roof Systems for availability.



IB Dryer Vent / Exhaust Vent

Product Description:

The IB Dryer / Exhaust vent is a heavy-duty metal two-piece general purpose roof exhaust vent consisting of a Kynar 500® finished vent hood with internal backdraft dampers shipped with a ready to install galvanized flanged metal base. It is available to fit most common exhaust duct applications and is shipped with easily insertable insect resistant wire screens for non-dryer vent applications.

IB Roof Systems Dryer / Exhaust Vent comes equipped with an integral clamping band for easy, quick installation over factory fabricated IB PVC No-Cone Flashings. The vent hood can be removed as required for general maintenance or periodic cleaning.

Packaging:

One unit per box – includes vent hood, base and optional screens for non-dryer use application

Features:

- Built-in backdraft dampers close vent opening when not in use
- Heavy 24 gauge, G90 Galvanized metal construction
- Can be used for dryer, kitchen and bath exhaust vent applications
- Vent hood is stocked in White; or can be special ordered in Gray, Tan, Brown, Black or Galvanized finish color
- 4” drop for easy connection to exhaust duct

Attachment:

Secure over installed IB roof membrane in accordance with IB Construction Details using IB SD#12, HD #14 or XHD #15 fasteners.

Approvals:

Complies with requirements of International Code Council (ICC) IRC 1502.3 and IMC 504.4



Product Data			Required IB Cone Flashing
Tube Diameter	Base Flange	Unit Weight	
4"	9" x 9"	5 lbs.	4" No-Cone
6"	11" x 11"	7 lbs.	6" No-Cone
8"	13" x 13"	9 lbs.	8" No-Cone

IB Pipe Flashing Clamps

Small Clamp:

IB roller ball stainless steel clamp has a tensile load of 300 lbs.

Length 20.5"

Max. Diameter 6"

Packaging:

- Packaging
- 50 per bag

Use:

Banding clamp for A & B cones.

Tool:

Hand operated tensioning tool for use with small clamps



Large Clamp:

Length 40"

Min. Diameter 2.3"

Max. Diameter 12.25"

Packaging:

- Packaging
- 10 per bag

Use:

Banding clamp for D & E cones.



Banding Strap:

Length 100'

Packaging:

- Packaging
- Plastic Reel Tote

Use:

Banding clamp for D & E cones.



IB Flexible Metal Profile

Product Description:

IB Flexible Metal Profiles are constructed of high quality polymers and plasticizers designed and extrusion formed to enhance the look of an IB Roof, simulating a metal standing seam. Inherent flexibility provides maximum versatility in adapting to a variety of flat, radius and curved substrates. IB Flexible Metal Profiles are installed utilizing hot air welding techniques in accordance with IB's installation guidelines and are available in a variety of unique colors. Old World Bronze will (over time) patina to a brownish copper hue due to natural oxidation of real copper particles blended into the finished product. Aluminum Flexible Metal Profile is formulated with aluminum particles to offer the aesthetic appeal of true metal. Because of these special formulations, IB Flexible Metal Profiles enhance the finished appearance of selected IB Roof Systems providing a superior finished appearance.



Packaging:

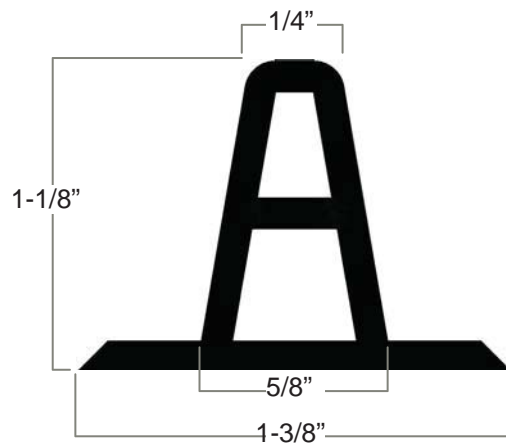
10 pieces per package

Weight:

83 lbs. per package

Product Specs:

Flexible Metal Profiles are 9.8 feet in length
 Profile height is 1-1/8"
 Rib profile is 1/4" wide at top and 5/8" wide at base
 Base flange width is 1-3/8"



Colors:

- White
- Old World Bronze
- Aluminum
- Special Order

Use:

IB Flexible Metal Profiles are sold as accessory products used in conjunction with select IB PVC and GR Class membranes. For approved substrates, installation and IB membrane requirements please refer to IB Specifications and Construction Details or contact IB Technical Services Department.

IB Walk Tread

Product Description:

80 Mil calendared and embossed PVC walk tread with a reinforced scrim backing that can be installed either fully adhered and perimeter welded to an IB Single-Ply Membrane system or loose laid and perimeter welded to an IB Single-Ply Membrane system. The durable and puncture resistant embossed texture provides surface that increases foot traction and the gray color allows for clear visibility of the walk area.

Packaging:

3 ft. x 60 ft. (180 sq. ft.), 98 lbs./ roll shrink wrapped and site delivered.

Features:

- Raised pyramid traction surfacing in gray color
- Available in a roll for easy layout and installation
- Heat welds directly to membrane
- Can be fully adhered or loose laid



Crossgrip

Product Description:

Crossgrip is a slip resistant walkway system for high traffic roof-top areas. It is ideal for roof and worker protection in high maintenance rooftop areas, where access for installation and maintenance of solar power systems, HVAC, telecommunications, and auxiliary equipment is necessary.

Packaging:

Individually Packaged (3' x 33' Rolls)

Features:

- Open grid “duckboard” design with cross directional top ribs
- Available in Grey or Black
- Durable one piece welded construction for long life and minimal maintenance
- Available in rolls for ease of installation
- Excellent slip resistance
- Excellent sound absorption properties
- Resistant to most acids, alkalines and oils

Attachment:

Loose Laid



IB Water Borne Adhesive

Product Description:

IB Water Borne Adhesive is a water based adhesive designed specifically for horizontal bonding applications of all IB Membranes to wood, concrete, and glass-faced polyisocyanurate insulations and many other re-cover boards and decking materials. IB Water Borne Adhesive is extremely user friendly and ideal for fully adhered roofing applications.

Packaging:

1 Container – 3 U.S. Gallons

Weight:

45 lbs. (15 lbs. per U.S. Gallon)

Installation:

IB Water Borne Adhesive should be applied only to the installed insulation or horizontal field of roof substrate at the approximate rate of one gallon per 160 square feet. Stir adhesive thoroughly before use. Membrane sheet should be set immediately into wet adhesive. Roll membrane with a vinyl roller to make positive contact with substrate and to remove any air bubbles. IB Water Borne Adhesive should be applied to a structurally sound substrate that is clean, dry, free of frost, oils, soaps, silicone, or loose material that may inhibit bonding. IB Water Borne Adhesive should be applied at temperatures of 40°F and rising. Do not apply adhesive if there is a possibility of freezing temperatures within 24 hours of application.

Color:

White

Coverage:

Coverage varies greatly depending on job site conditions and the substrate to which you are applying. Coverage range is between 300 (using a 3/8" nap roller skin) to 525 (using a commercial grade sprayer) square feet per 3 gallon pail. Contact IB for additional application/coverage rates and recommendations.

Storage & Handling:

When IB Water Borne Adhesive is stored indoors out of direct sunlight and in the original, unopened container between 60°F and 80°F, the approximate shelf life is 12 months. Always rotate stock. DO NOT ALLOW TO FREEZE. Once frozen, the IB Water Borne will not return to its original state, and is no longer usable.



Performance Specifications	
Flash Point, °F (seta Flash)	>212°F
VOC	9.57 grams/Liter

IB Vertibond Adhesive

Product Description:

IB Vertibond Adhesive is a synthetic polymer based adhesive designed specifically for horizontal and vertical bonding applications of all IB Membranes to metal, wood, concrete, and glass-faced polyisocyanurate insulations, and many other re-cover boards and decking materials. IB Vertibond Adhesive has no slope limitations and should be used when adhering wall flashings and other vertical surface details. IB Vertibond Adhesive is easily spread, fast drying, plasticizer resistant, and has good tack, drying to an elastomeric bond well suited for fully adhered roofing applications.

Packaging:

1 Container = 5 U.S. Gallons

Weight:

55 lbs. (11 lbs. per U.S. Gallon)

Installation:

Stir adhesive thoroughly before use. Apply IB Vertibond Adhesive as contact adhesive to both the underside of the membrane and to installed insulation, horizontal and vertical substrates at the approximate rate of one gallon per 60 square feet of net applied coverage area (1/2 gal. to each surface) in smooth, even coatings with no bare areas, globs or puddles. Allow the adhesive on the substrate to dry completely. Apply adhesive to underside of membrane sheets in manageable lengths and set while tacky to the touch. Roll membrane with a vinyl roller to make positive contact with substrate and to remove any air bubbles. IB Vertibond Adhesive should be applied at temperatures of 40° F or above to a structurally sound substrate that is clean, dry, free of frost, oils, soaps, silicone, or loose material that may inhibit bonding.. Applying IB Vertibond Adhesive below 40° F will extend curing time and may compromise its effectiveness.

Color:

Amber

Coverage:

Coverage is approximately 60 sq. ft. per gallon applied to both the substrate and underside of the membrane sheet. Coverage may vary depending on job site conditions and the type of substrate to which you are applying as well as climatic conditions.

Storage & Handling:

When IB Vertibond Adhesive is stored indoors out of direct sunlight and in the original, unopened container between 60° F and 80° F, the approximate shelf life is 6 months. Always rotate stock.



Performance Specifications	
Flash Point, °F (seta Flash)	>0°F
VOC	213.4 grams/Liter

Flexocol V Adhesive

Product Description:

FLAG Flexocol V Adhesive is a solvent based low viscosity adhesive designed for bonding fully adhered IB GR Class Smooth Back Membrane to approved vertical substrates at walls, curbs and penetrations. Flexocol V adhesive is also designed for the adhesion of fully adhered GR Class Smooth Back Membrane over approved rigid thermal roof insulations and substrates on horizontal field of roof surfaces.

Packaging:

1 Container = 2.64 U.S. Gallons

Weight:

21.5 lbs. (8.14 lbs. per U.S. Gallon)

Installation:

Flexocol V Adhesive must be applied to both the substrate and the underside of the membrane. Stir adhesive thoroughly before use. Apply adhesive to the substrate at a rate of approximately 100 s.f. / gallon in smooth, even coatings with no bare areas, globs or puddles. Porous substrates may require a prime coat of adhesive or adjustment of adhesive application rate. Allow the adhesive on the substrate to dry completely. Apply adhesive to underside of membrane sheets in manageable lengths and set when tack dry to the touch. Roll membrane with a vinyl roller to make positive contact with substrate and to remove any air bubbles. Flexocol V Adhesive should be applied to a structurally sound substrate that is clean, dry and free of frost, oils, soaps, silicone, or loose material that may inhibit bonding. Apply at temperatures of 40° F or above and rising. Cold weather installations will extend curing time and may compromise its effectiveness.

Color:

Transparent Yellow

Coverage:

Approximately 100 sq. ft. net installed membrane per gallon

Storage & Handling:

When Flexocol V Adhesive is stored indoors, out of direct sunlight, and in the original, unopened container between 60° F and 80° F, the shelf life is 6 months. Always rotate stock.



Solar Seal 900 Caulking

Product Description:

Solar Seal 900 Caulking is a multi-purpose polymeric-terpolymer, exterior grade caulking which is compatible with any of IB Roof System’s membranes and bonds to dry, contaminant free surfaces. It has exceptional weather resistance, elongation and color stability.

Packaging:

Individually or 12 tubes per carton

Features:

- Paintable after skin forms
- Mold and Mildew resistance
- Substrate application range: 0°F to 125°F
- Cured sealant temperate range: -40°F to 300°F
- Cure rate: @ 75°F
 - Thin Skin: 24 Hours
 - Complete: 21 days

Color:

White, Tan, Gray, Red, Brown, Evergreen, Cool Sand, Clear and Black. Custom colors also available upon request.

Coverage:

15 linear feet per 10.3 oz. tube

Storage & Handling:

When Solar Seal 900 Caulking is stored indoors, out of direct sunlight, and in the original, unopened container at 75°F, the shelf life is 24 months. Always rotate stock.

Limitations:

- Substrate temperature is above 125°F
- Do not apply to a wet surface
- Intended for exterior use
- Not recommended for use of structural applications, joints under constant water submersion, or in contact with EPS



Performance Specifications	
VOC	240 grams/Liter
Elongation	200-400%
Sag	no sag
Hardness Shore A	30
Tack Free Time	4 hours

IB Water Stop

Product Description:

IB Water Stop Sealant is a butyl-based, one-component mastic designed specifically for sealing roofing membrane to wood, concrete, metal, plastic, and other substrates, thereby creating a flexible seal for stopping water penetrating into the roofing systems. It is also ideal for sealing vertical terminations, vent openings, pipe openings, drain details or protrusions through roof membranes

Packaging:

Individually or 10 tubes per carton

Features:

- High solids content
- Remains flexible
- Solvent will not attack polystyrene foam

Color:

Gray

Coverage:

15 linear feet per 11 oz. tube.

Storage & Handling:

IB Water Stop Sealant stored indoors, out of direct sunlight, and in the original, unopened container between 60°F and 80°F, the shelf life is 12 months. Always rotate stock.

Limitations:

- Substrate temperature shall be applied above 40°F
- Do not apply to a wet surface
- Not intended for use as exposed caulking or sealant



Performance Specifications	
VOC	162.5 grams/Liter
Total Solids%	80 min
Sag	0.15 inch max.
Specific Gravity	1.45
Pounds per Gallon	12.093
Flash Point	104°F
Solvent	Mineral Spirits

1-Part Pourable Penetration Sealant

Product Description:

1-Part is a moisture curing; pourable sealant designed for use in pitch pans. 1-Part is suitable for application in damp, dry, or cold climates. 1-Part is solvent free, contains no isocyanates and will not shrink upon curing. 1-Part can not “out-gas” or bubble on damp surfaces as urethane sealants often do. 1-Part has resilient “elastomeric” properties and excellent adhesion to most construction materials. 1-Part can be used effectively in many difficult construction site conditions and cures in wet or dry climate conditions and at low temperatures (32°F / 0°C). 1-Part’s low durometer accommodates greater movement in penetration seals than typical urethane sealants.



Packaging:

1/2 Gallon Pouch – 4 pouches per carton

Features:

- Solvent Free, 100% solids (will not shrink)
- 20 minute skin over
- Self leveling
- Can be applied at temperatures as low as 30° F

Color:

Gray

Storage & Handling:

Stored indoors, out of direct sunlight, and in the original, unopened container at 70°F, the approximate shelf life is 6 months. Always rotate stock.

Limitations:

- Substrate temperature is below 32°F
- Do not apply to a wet surface
- Intended for exterior use
- Do not prime bonding surfaces with asphalt primer

M-1 Sealant

Product Description:

M-1® is a moisture curing, polyether adhesive sealant designed for applications in damp, dry, or cold climates. M-1® is solvent free and contains no isocyanates. M-1® will not shrink upon curing, will not discolor when exposed to UV light, and can not “out-gas” or bubble on damp surfaces as urethane sealants often do. M-1® is capable of joint movement in excess of 25% in both compression and extension and can be used effectively in many difficult construction site conditions such as wet or dry climates and at temperatures as low as 32°F (0°C).



Packaging:

Individually or 24 cartridges per carton

Features:

- Solvent free, 100% solids will not shrink
- Non-slump, applies vertically and overhead
- 20 minute skin over
- No outgassing on damp surfaces
- Gun grade, no special tools or mixing required

Color:

Black

Coverage:

Coverage varies greatly depending on job site conditions and the substrate to which you are applying.

Storage & Handling:

12 months from date of manufacture when stored at 70°F

Limitations:

- Do not store in elevated temperatures
- Do not use in areas subject to continuous immersion
- Horizontal applications will require tooling

Performance Specifications	
Gun Grade	Zer Slumo
Viscosity	1,200,000 cp +/- 400,000 cp
Density	11.8 +/- 0.2 lbs per gal.
Tack Free Time	20 min +/-
Elongation at Break	290%
Hardness Shore A	45
Tensile Strenght	330 psi
Shear Strenght	380 psi
Shrinkage	no visable shrinkage

IB Rapid Set Insulation Adhesive

Product Description:

IB Rapid Set Insulation Adhesive is a one-step, all-purpose, elastomeric foam adhesive designed to bond approved roof insulations and cover boards to a variety of substrates. A one-step application process eliminates error due to poor mixing. It is dispensed using a hand applicator and is quick and easy, resulting in significant labor savings.

Packaging:

4-1.5L Cartridges per case

Features:

- Easy to apply, no mixing
- Non-penetrating attachment system
- Rapid Application
- Saves Labor

Application:

Refer to IB Specifications and Construction Details for additional installation instructions. Rapid Set Insulation Adhesive can be used to install IB roof insulation and cover boards over approved dry, clean substrates. Installation over existing smooth or gravel surfaced asphalt roofs (gravel removed) requires priming with Millennium Universal Primer. Installation over fresh or glazed (non-weathered) asphalt, or over smooth APP membranes may require use of Millennium Surface Treatment Primer.

Coverage:

Approximately 400-600 sq. ft. per case

Storage & Handling:

Store between 45°F and 95°F. Protect from freezing

Approvals:

Underwriters Laboratories, FM Approvals, ICC/ES, Miami-Dade County and Florida Building Code Product Approvals

Substrates¹:

- Structural concrete
- Gypsum
- Lightweight Insulating Concrete
- Cementitious wood fiber
- Plywood
- Smooth surfaced BUR (weathered)
- Smooth and Granular surface SBS Modified Bitumen
- Granular APP Modified Bitumen

¹Substrates must be clean, dry and free of dirt, dust, debris, oils, loose and/or embedded gravel. IB Roof Systems recommends insulation adhesion pull tests in accordance with ANSI/SPRI- IA-1 prior to beginning work to confirm acceptable uplift resistance.



Limitations:

- Do not apply over wet or frozen surfaces
- Not recommended for use with insulation boards larger than 4'x4'
- Do not use warped or curled insulation boards. All insulation boards must lay flat upon the roof surface
- Not recommended for use over Coal Tar roofs

Olybond 500 SpotShot

Product Description:

Olybond 500 SpotShot is a fast-acting, two-component, low-rise polyurethane foam adhesive designed to adhere a variety of board stocks to a variety of roof substrates in both new and re-roof applications.

Packaging:

4-1500ML Cartridges per case

Features:

- Non-penetrating attachment system
- Odor free
- Low VOC
- Reduces construction noise
- Rapid application

Application:

Refer to IB Specifications and Construction Details for additional installation instructions. OlyBond Spot Shot adhesive can be used to install IB roof insulation and cover boards over approved dry, clean substrates. Installation over existing smooth or gravel surfaced asphalt roofs (gravel removed) requires additional preparation.

Coverage:

Approximate Coverage: 400-600 sq. ft. per case

Storage & Handling:

Store between 45°F and 95°F. Protect from freezing

Approvals:

Underwriters Laboratories, FM Approvals, Miami-Dade County and Florida Building Code Product Approvals

Substrates¹:

- Structural concrete
- Gypsum
- Lightweight Insulating Concrete
- Cementitious wood fiber
- Plywood
- Smooth surfaced BUR (weathered)
- Smooth and Granular surface SBS Modified Bitumen
- Granular APP Modified Bitumen

¹Substrates must be clean, dry and free of dirt, dust, debris, oils, loose and/or embedded gravel. IB Roof Systems recommends insulation adhesion pull tests in accordance with ANSI/SPRI- IA-1 prior to beginning work to confirm acceptable uplift resistance.



Limitations:

- Do not apply over wet or frozen surfaces
- Not recommended for use with insulation boards larger than 4'x4'
- Do not use warped or curled insulation boards. All insulation boards must lay flat upon the roof surface
- OlyBond 500 SpotShot regular formulation is recommended for applications 40°F and above

Millennium Universal Primer

Product Description:

Millennium Universal Primer is an all-purpose water-based primer designed for use with IB Rapid Set Insulation Adhesive, PG-1 insulation and membrane adhesives, and the entire Millennium family of products. The primer is easy to apply and requires no mixing. A red tint offers easy recognition of areas of applied primer.

Packaging:

3.5 gallon pails
36 pails per pallet

Features:

- Easy to apply one-part formulation
- Water based, VOC free
- Quick application, applies in one coat

Color:

Red Tint

Installations:

All work surfaces should be clean, dry, free of dirt, dust, debris, oils, loose gravel, un-adhered coatings, deteriorated membrane and other contaminants that may result in a surface that is not sound. Brush, spray, or roll Millennium Universal Primer in one coat over the entire prepared surface. Coverage rates vary depending upon substrate and surface conditions. Apply Millennium Universal Primer at the approximate rate of 150-250 sq. ft. per gallon and allow to completely dry. Remove all heavy or puddled areas to ensure thorough drying. Drying time will vary based on temperature and relative humidity. Millennium Universal Primer is used to enhance adhesion over existing granule surfaced, prepared aggregate surfaced (gravel removed), and weathered (crazed/oxidized) asphaltic membrane surfaces. Contact IB Technical Services for additional information and limitations on substrates such as glazed asphalt or smooth APP or coated membranes. Refer to IB installation instructions for additional information.

Coverage:

Approximate rate of 150-250 sq. ft. per gallon

Storage & Handling:

Millennium Universal Primer can be stored at room temperature where it will have a shelf life of one year. Keep from freezing.



Elastocol Stick

Product Description:

Elastocol Stick is a fast drying primer consisting of a proprietary blend of SBS polymer, resins and volatile solvents designed to enhance Soprapav'r Vapor Retarder adhesion to a variety of approved substrates. Elastocol Stick contains a maximum VOC content of 500 g/l.

Packaging:

Elastocol Stick is available in five (5) gallon pails

Installation:

Apply to dry, compatible substrates using a brush, roller or spray equipment in a uniform application with full coverage. Coverage rates vary depending upon substrate and surface conditions. Apply Elastocol Stick at a rate of 0.66 to 1.0 gallon per 100 square feet. Elastocol Stick drying time is affected by the application rate, substrate and environment conditions such as temperature, wind, cloud cover and shade. The applicator is responsible for monitoring varying environmental conditions during storage, handling and the application to ensure conditions remain satisfactory. Refer to IB installation instructions for more application information.

Storage & Handling:

Elastocol Stick is high flammable. Store containers away from excessive heat and open flames. Take necessary precautions when handling to prevent rupturing the containers, or breaking the sealed lids prior to use. Containers should be stored on end in a dry, protected storage area away from direct sunlight, to comply with site storage and handling requirements.

Approvals:

Underwriters Laboratories, FM Approvals, ICC/ES, Miami-Dade County and Florida Building Code Product Approvals



Elastocol Stick Zero

Product Description:

Elastocol Stick Zero is a proprietary primer composed of synthetic polymers, solvents and resins designed to enhance Soprapap'r Vapor Retarder adhesion to a variety of approved substrates. Elastocol Stick Zero may be applied to approved substrates including gypsum roof boards, masonry, metal and wood. It is LEED compliant (IEQ Credit 4.1).

Packaging:

Elastocol Stick Zero is available in five (5) gallon pails

Installation:

Apply to dry, compatible substrates using a brush, roller or spray equipment in a uniform application with full coverage. Coverage rates vary depending upon substrate. Apply Elastocol Stick Zero at approximately one gallon per 100 square foot depending upon surface conditions. Elastocol Stick Zero drying time of 30 to 90 minutes is affected by the application rate, substrate and environmental conditions such as ambient temperature, wind, cloud cover and shade. The applicator is responsible for monitoring varying environmental conditions during storage, handling and the application of Elastocol Stick Zero to ensure conditions remain satisfactory. Precipitation, moisture sources and the dew point temperature should be monitored by the applicator. Elastocol Stick Zero may be applied at temperatures of 40°F and above. Refer to IB installation instructions for more application information.

Storage & Handling:

Elastocol Stick Zero primer is highly flammable. Store containers away from excessive heat and open flames. Take necessary precautions when handling containers to prevent rupturing the containers, or breaking the sealed lids prior to use. Containers should be stored on end in a dry, protected storage area away from direct sunlight, to comply with site storage and handling requirements.

Approvals:

Underwriters Laboratories, FM Approvals, ICC/ES, Miami-Dade County and Florida Building Code Product Approvals



SIMIX All Purpose Cleaner

Product Description:

SIMIX All Purpose Cleaner can be used for general surface cleaning to remove dirt and contaminants from installed IB PVC Single Ply membranes.

Packaging:

5 lb. per pouch

Features:

- Restores brightness and reflectivity in roof membranes
- Removes bacteria, viruses, algae, and mold
- Eliminates the need for harmful cleaning chemicals
- Removes ground-in dirt, road and parking lot grime, grease and oil, urine, tannin stains and airborne hydrocarbons



Cleaning Procedures:

1. Always mix product with hot water if possible for ease of dissolving the cleaning powder. Add 2 oz. of the powder for maximum effectiveness to each gallon of water. Stir to dissolve and make sure every granule is dissolved before using the mixture. Mixture is effective for up to 30 days however fresh mixtures yield the best results.
2. Ensure that caked on dirt and debris prior to applying mixture for best results. Using airless spray equipment*, X-jet, or back pack sprayer, evenly apply mixed solution to the surface at an approximate rate of 300-500 sq. ft. per gallon. Heavily soiled areas and areas with algae may require heavier application at approximately one gallon per 200 sq. ft., or additional application.
3. Allow product to set for 10-15 minutes. Do not allow surface to dry out; lightly spray with water to keep surface wet. Care must be taken not to flood the surface as it will reduce effectiveness of the cleaner.
4. For best results, use a soft bristle broom to scrub the roof and dislodge dirt deposits. Rinse thoroughly with clean water to remove all cleaning material residue.

*Use of pressure washers or pad scrubbers may result in damage to the roof membrane. When used, pressure washers must be kept below 2400 psi and the nozzle kept approximately 12" or more away from the roof surface. IB Roof Systems assume no responsibility for damage to the roof system or structure resulting from maintenance cleaning. Roof surfaces can become slippery. Observe all safety practices necessary to avoid slips, falls or other injury during cleaning activities.

Coverage:

Mixed product is applied at an approx. rate of one gallon per 300-500 square feet. One 5 lb. container makes up to 30 gallons. Do not mix more than 2 oz. per gallon

Storage & Handling:

Millennium Universal Primer can be stored at room temperature where it will have a shelf life of one year. Keep from freezing.

SIMIX Multi-Surface Coating

Product Description:

SIMIX Multi-Surface Coating is a single ply surface treatment for aged PVC membranes. It inhibits the attraction of dirt, bacteria, and other rooftop contaminants.

Packaging:

1 Gallon Pail - concentrate makes 5 gallons

Features:

- Reduces growth of bacteria, viruses, algae and mold
- Contains a UV inhibitor that extends the life of the roof
- Extends typical periods between routine cleaning



Application:

1. Shake product to ensure that it is properly mixed.
2. The product is applied to the surface using airless spray equipment or a back pack sprayer with a fan tip to mist the product onto the surface followed by spreading the product with a microfiber flat mop. Avoid a fine spray that may result in the evaporation of too much water prior to reaching the surface.
3. Coverage rates of the product range from 800-1000 sq. ft. per gallon. Higher porosity and membranes with an aged surface texture will need more of the product than newer membranes.
4. Pre soak the microfiber flat mop in the product a minimum of 10 minutes prior to application. Have extra mop heads on hand changing each out once they are soiled.
5. Apply SIMIX Multi-Surface Coating (2 coat application) using the mop moving the mop in a up and down and right to left motion ensuring to create an even coat on the surface.
6. Applied coating must be allowed to dry between coats.
7. SIMIX Multi-Surface Coating must be kept free of rain and foot traffic until dry. Apply when ambient temperatures are above 50° F and below 105°F. Normal drying times at 75°F and 65% relative humidity is approximately 30 minutes. Humidity levels, temperature, and degree of cloud cover will directly affect drying times.

IB Clad Drip Edge Metal

Product Description:

IB Clad Drip Edge Metal is fabricated with a durable 45 mil non-reinforced IB PVC film with acrylic finish, laminated to 24 gauge, ASTM A653-09, CS Type B, G90 galvanized sheet metal. It is formed into standard metal drip edge profile with a hemmed kick-out at the bottom to provide a corrosion resistant, heat weldable perimeter roof edge termination for IB Roofing Systems.



Sizes:

Standard sizes available in 2", 3", 4" and 5" drip edge
Individual pieces made in 10' sections

Packaging:

Sold per 10' section
Available in 100 piece cardboard shipping tubes

Features:

- Factory fabricated edge metal ready to install onsite
- Durable 45 mil IB PVC film with acrylic top finish
- Corrosion resistant, 24 gauge G90 galvanized sheet metal
- Additional sizes and profiles available through custom order to your specifications

Edge Metal	2"	3"	4"	5"
Face	1-1/2"	2-1/2"	3-1/2"	4-1/2"
Hem	1/2"	1/2"	1/2"	1/2"
Flange	3"	3"	3"	3"
Length	10'	10'	10'	10'
Weight (lbs.)	5	6	7	8

Available Colors:

White and Bronze; Old World Bronze (with non-acrylic finish) and Aluminum colors available with IB PVC GR Class non-reinforced film

IB Clad Gravel Stop Metal

Product Description:

IB Clad Gravel Stop Metal is fabricated with a durable 45 mil non-reinforced IB PVC film with acrylic finish, laminated to 24 gauge, ASTM A653-09, CS Type B, G90 galvanized sheet metal. It is formed into a gravel stop edge profile with 3/4" rise and a hemmed kick-out at the bottom to provide a corrosion resistant, heat weldable perimeter roof edge termination for IB Roofing Systems.

Sizes:

Standard sizes available in 2", 3", 4" and 5" gravel stop
Individual pieces made in 10' sections

Packaging:

Sold per 10' section
Available in 100 piece cardboard shipping tubes

Features:

- Factory fabricated edge metal ready to install onsite
- Durable 45 mil IB PVC film with acrylic top finish
- Corrosion resistant, 24 gauge G90 galvanized sheet metal
- Additional sizes and profiles available through custom order to your specifications

Available Colors:

White and Bronze; Old World Bronze (with non-acrylic finish) and Aluminum colors available with IB PVC GR Class non-reinforced film



Gravel Stop Metal	2"	3"	4"	5"
Face	2-3/4"	3-3/4"	4-3/4"	5-3/4"
Hem	1/2"	1/2"	1/2"	1/2"
Flange	3-1/2"	3-1/2"	3-1/2"	3-1/2"
Rise	3/4"	3/4"	3/4"	3/4"
Length	10'	10'	10'	10'
Weight (lbs.)	7	8	8	9

IB Clad Drip Edge Metal with Cleat

Product Description:

IB Clad Drip Edge Metal with Cleat assembly consists of an IB Clad Drip Edge formed into a metal profile to provide a clean, durable edge termination for IB Roofing Systems with a hemmed kick-out designed for use with continuous metal cleats. IB Clad Drip Edge Metal is fabricated with a durable 45 mil non-reinforced IB PVC film with acrylic finish, laminated to 24 gauge, ASTM A653-09, CS Type B, G90 galvanized sheet metal. The assembly requires an accessory metal cleat sold separately.



Sizes:

Standard sizes available in 2", 3", 4" and 5" drip edge
Individual pieces made in 10' sections

Packaging:

Sold per 10' section
Available in 100 piece cardboard shipping tubes

Features:

- Factory fabricated edge metal ready to install onsite
- Durable 45 mil IB PVC film with acrylic top finish
- Corrosion resistant, 24 gauge G90 galvanized sheet metal
- ES-1 rated assemblies (Refer to IB Construction Details and ES-1 Test Report)
- Additional sizes and profiles available through custom order to your specifications

Available Colors:

White and Bronze; Old World Bronze (with non-acrylic finish) and Aluminum colors available with IB PVC GR Class non-reinforced film

Accessory Metal Cleat:

Factory fabricated 22 ga. ASTM G53-09, CS Type B, G90 galvanized steel cleats are sold separately and are custom manufactured for use with IB Clad Drip Edge Metal produced for installations requiring a continuous cleat. They are formed to profile with or without a deck flange.

Packaging:

Sold per 10' section

Edge Metal	2"	3"	4"	5"
Face	1-1/2"	2-1/2"	3-1/2"	4-1/2"
Hem	1/2"	1/2"	1/2"	1/2"
Flange	3"	3"	3"	3"
Length	10'	10'	10'	10'
Weight (lbs.)	5	6	7	8

ANSI / SPRI ES-1 Tested Metals (Report #3195892MID-004)		
Product ID	Attachment	Maximum Design Pressure
2" Clad Drip Edge Metal* (G90 CS Steel)	#12 Roofing Fastener, min. 1" penetration attached 12" o.c.	-160 psf (320 lb./ft ²)
3" Clad Drip Edge Metal (G90 CS Steel)	#12 Roofing Fastener, min. 1" penetration attached 12" o.c.	-160 psf (320 lb./ft ²)
4" Clad Drip Edge Metal (G90 CS Steel with 22 ga. Cleat)	#12 Roofing Fastener, min. 1" penetration attached 12" o.c.	-160 psf (320 lb./ft ²)
5" Clad Drip Edge Metal (G90 CS Steel with 22 ga. Cleat)	#12 Roofing Fastener, min. 1" penetration attached 12" o.c.	-160 psf (320 lb./ft ²)
Clad Edge Material: PVC Clad 0.022" thick G90 Galvanized Commercial Steel Continuous Cleat Material: 0.022 Min. ASTM A 653 CS-09, Prime Galv Cold Rolled Sheet G90/G90		
Test results apply to measurement uncertainty of +/- 4 lbs. with a 95% confidence level using the square root of the sum of the squares method with the K factor of 2 already applied.		

IB Clad Gravel Stop Metal with Cleat

Product Description:

IB Clad Gravel Stop Metal with Cleat assembly consists of an IB Clad Gravel Stop Metal formed into a gravel stop edge profile with 3/4" rise and a hemmed kick-out at the bottom designed for use with continuous metal cleats. It is designed to provide a corrosion resistant, heat weldable perimeter roof edge termination for IB Roofing Systems. IB Clad Gravel Stop Metal is fabricated with a durable 45 mil non-reinforced IB PVC film with acrylic finish, laminated to 24 gauge, ASTM A653-09, CS Type B, G90 galvanized sheet metal. The assembly requires an accessory metal cleat sold separately.



Sizes:

Standard sizes available in 2", 3", 4" and 5" gravel stop
Individual pieces made in 10' sections

Packaging:

Sold per 10' section
Available in 100 piece cardboard shipping tubes

Features:

- Factory fabricated edge metal ready to install onsite
- Durable 45 mil IB PVC film with acrylic top finish
- Corrosion resistant, 24 gauge G90 galvanized sheet metal
- ES-1 rated assemblies (Refer to IB Construction Details and ES-1 Test Report)
- Additional sizes and profiles available through custom order to your specifications

Available Colors:

White and Bronze; Old World Bronze (with non-acrylic finish) and Aluminum colors available with IB PVC GR Class non-reinforced film

Accessory Metal Cleat:

Factory fabricated 22 ga. ASTM G53-09, CS Type B, G90 galvanized steel cleats are sold separately and are custom manufactured for use with IB Clad Drip Edge Metal produced for installations requiring a continuous cleat. They are formed to profile with or without a deck flange.

Packaging:

Sold per 10' section

Gravel Stop Metal	2"	3"	4"	5"
Face	2-3/4"	3-3/4"	4-3/4"	5-3/4"
Hem	1/2"	1/2"	1/2"	1/2"
Flange	3-1/2"	3-1/2"	3-1/2"	3-1/2"
Rise	3/4"	3/4"	3/4"	3/4"
Length	10'	10'	10'	10'
Weight (lbs.)	7	8	8	9

ANSI / SPRI ES-1 Tested Metals (Report #3195892MID-004)		
Product ID	Attachment	Maximum Design Pressure
2-3/4" Clad Gravel Stop Metal* (G90 CS Steel)	#12 Roofing Fastener, min. 1" penetration attached 12" o.c.	-150 psf (300 lb/ft ²)
3-3/4" Clad Gravel Stop Metal (G90 CS Steel)	#12 Roofing Fastener, min. 1" penetration attached 12" o.c.	-150 psf (300 lb/ft ²)
4-3/4" Clad Gravel Stop Metal (G90 CS Steel with 22 ga. Cleat)	#12 Roofing Fastener, min. 1" penetration attached 12" o.c.	-160 psf (320 lb/ft ²)
5-3/4" Clad Gravel Stop Metal (G90 CS Steel with 22 ga. Cleat)	#12 Roofing Fastener, min. 1" penetration attached 12" o.c.	-160 psf (320 lb/ft ²)
Grave Stop Cap Material: PVC Clad 0.022" thick G90 Galvanized Commercial Steel Continuous Cleat Material: 0.022 mMin. ASTM A 653 CS-09, Prime Galv Cold Rolled Sheet G90/G90		
Test results apply to measurement uncertainty of +/- 4 lbs. with a 95% confidence level using the square root of the sum of the squares method with the K factor of 2 already applied.		

IB Clad Drip Edge Stainless Steel Metal

Product Description:

IB Clad Drip Edge Stainless Steel Metal is fabricated with a durable 45 mil non-reinforced IB PVC film with acrylic finish, laminated to 24 gauge, 304 Stainless Steel sheet metal. It is formed into standard metal drip edge profile with a hemmed kick-out at the bottom to provide a corrosion resistant, heat weldable perimeter roof edge termination for IB Roofing Systems.



Sizes:

Custom Order Availability
 Standard sizes in 2", 3", 4" and 5" drip edge
 Individual pieces made in 10' sections

Packaging:

Sold per 10' section
 Available in 100 piece cardboard shipping tubes

Features:

- Factory fabricated edge metal ready to install onsite
- Durable 45 mil IB PVC film with acrylic top finish
- Corrosion resistant 24 gauge 304 Stainless Steel sheet metal
- Additional sizes and profiles available through custom order to your specifications

Edge Metal	2"	3"	4"	5"
Face	2"	3"	4"	5"
Hem	1/2"	1/2"	1/2"	1/2"
Flange	3"	3"	3"	3"
Length	10'	10'	10'	10'
Weight (lbs.)	5	6	7	8

Available Colors:

White and Bronze

IB Clad Gravel Stop Stainless Steel Metal

Product Description:

IB Clad Gravel Stop Stainless Steel Metal is fabricated with a durable 45 mil non-reinforced IB PVC film with acrylic finish, laminated to 24 gauge, 304 Stainless Steel sheet metal. It is formed into a gravel stop edge profile with 3/4" rise and a hemmed kick-out at the bottom to provide a corrosion resistant, heat weldable perimeter roof edge termination for IB Roofing Systems.



Sizes:

Custom Order Availability
 Standard sizes in 2", 3", 4" and 5" gravel stop
 Individual pieces made in 10' sections

Packaging:

Sold per 10' section
 Available in 100 piece cardboard shipping tubes

Features:

- Factory fabricated edge metal ready to install onsite
- Durable 45 mil IB PVC film with acrylic top finish
- Corrosion resistant 24 gauge 304 Stainless Steel sheet metal
- Additional sizes and profiles available through custom order to your specifications

Gravel Stop Metal	2"	3"	4"	5"
Face	2-3/4"	3-3/4"	4-3/4"	5-3/4"
Hem	1/2"	1/2"	1/2"	1/2"
Flange	3-1/2"	3-1/2"	3-1/2"	3-1/2"
Rise	3/4"	3/4"	3/4"	3/4"
Length	10'	10'	10'	10'
Weight (lbs.)	7	8	8	9

Available Colors:

White and Bronze

IB Clad Drip Edge Stainless Steel Metal with Cleat

Product Description:

IB Clad Drip Edge Stainless Steel with Cleat assembly consists of a stainless steel IB Clad Drip Edge formed into a metal profile to provide a clean, durable edge termination for IB Roofing Systems with a hemmed kick-out designed for use with continuous metal cleats. IB Clad Drip Edge Stainless Steel Metal is fabricated with a durable 45 mil non-reinforced IB PVC film with acrylic finish, laminated to 24 gauge, 304 Stainless Steel sheet metal. The assembly requires an accessory metal cleat sold separately.



Sizes:

Custom Order Availability
 Standard sizes in 2", 3", 4" and 5" drip edge
 Individual pieces made in 10' sections

Packaging:

Sold per 10' section
 Available in 100 piece cardboard shipping tubes

Features:

- Factory fabricated edge metal ready to install onsite
- Durable 45 mil IB PVC film with acrylic top finish
- Corrosion resistant 24 gauge 304 Stainless Steel sheet metal
- Additional sizes and profiles available through custom order to your specifications

Edge Metal	2"	3"	4"	5"
Face	2"	3"	4"	5"
Hem	1/2"	1/2"	1/2"	1/2"
Flange	3"	3"	3"	3"
Length	10'	10'	10'	10'
Weight (lbs.)	5	6	7	8

Available Colors:

White and Bronze

Accessory Metal Cleat:

Factory fabricated 22 ga. 304 Stainless Steel sheet metal cleats are sold separately and are custom manufactured for use with IB Clad Drip Edge Stainless Steel Metal produced for installations requiring a continuous cleat. They are formed to profile with or without a deck flange.

Packaging:

Sold per 10' section

IB Clad Gravel Stop Stainless Steel Metal with Cleat

Product Description:

IB Clad Gravel Stop Stainless Steel Metal with Cleat assembly consists of a stainless steel IB Clad Gravel Stop Metal formed into a gravel stop edge profile with 3/4" rise and a hemmed kick-out at the bottom designed for use with continuous metal cleats. It is designed to provide a corrosion resistant, heat weldable perimeter roof edge termination for IB Roofing Systems. IB Clad Gravel Stop Stainless Steel Metal is fabricated with a durable 45 mil non-reinforced IB PVC film with acrylic finish, laminated to 24 gauge, 304 Stainless Steel sheet metal. The assembly requires an accessory metal cleat sold separately.



Sizes:

Custom Order Availability
 Standard sizes in 2", 3", 4" and 5" gravel stop
 Individual pieces made in 10' sections

Packaging:

Sold per 10' section
 Available in 100 piece cardboard shipping tubes

Features:

- Factory fabricated edge metal ready to install onsite
- Durable 45 mil IB PVC film with acrylic top finish
- Corrosion resistant 24 gauge 304 Stainless Steel sheet metal
- Additional sizes and profiles available through custom order to your specifications

Gravel Stop Metal	2"	3"	4"	5"
Face	2-3/4"	3-3/4"	4-3/4"	5-3/4"
Hem	1/2"	1/2"	1/2"	1/2"
Flange	3-1/2"	3-1/2"	3-1/2"	3-1/2"
Rise	3/4"	3/4"	3/4"	3/4"
Length	10'	10'	10'	10'
Weight (lbs.)	7	8	8	9

Available Colors:

White and bronze

Accessory Metal Cleat:

Factory fabricated 22 ga. 304 Stainless Steel sheet metal cleats are sold separately and are custom manufactured for use with IB Clad Gravel Stop Stainless Steel Metal produced for installations requiring a continuous cleat. They are formed to profile with or without a deck flange.

Packaging:

Sold per 10' section

PVC Clad Metal

Product Description:

IB PVC Clad Metal is fabricated from 24 gauge, ASTM A653-09, CS Type B, G90 galvanized sheet metal with a durable 45 mil non-reinforced IB PVC film with acrylic finish laminated to the top surface. IB clad metal can be used for the fabrication of a variety of sheet metal flashing details requiring a PVC hot air weldable surface for the attachment of IB PVC roof membranes and DeckShield products. The laminated PVC film allows flashing membranes and rolls to be easily and conveniently hot air welded to the PVC side making installation easy and the finished detail visually appealing.



Sizes:

4' x 10' sheets

Packaging:

Sold as individual sheets

50 sheets per pallet

53 lbs. per sheet (IB PVC Clad Metal)

Features:

- Durable 45 mil IB PVC non-reinforced film laminated to corrosion resistant 24 gauge, G90 galvanized metal
- Acrylic finish top surface
- Easily fabricated into various profiles and flashings

Available Colors:

White and Bronze; Old World Bronze (with non-acrylic finish) and Aluminum colors available with IB PVC GR Class non-reinforced film

Stainless Steel Option:

Available in 24 gauge, 304 Stainless Steel sheet metal with a durable 45 mil non-reinforced IB PVC film with acrylic finish laminated to the top surface.

IB PVC Clad Stainless Steel Metal Available Colors:

White

Bronze available – custom order

IB Aluminum Termination Bar

Product Description:

IB Aluminum Termination Bar is designed to terminate Single-Ply membrane to parapet walls and other penetrations.

Features:

- IB Aluminum Termination Bar is made of extruded aluminum (6063 T6 alloy) with a mil finish
- Oval holes that measure 1/4" x 3/8" are punched into each bar, with a standard spacing of 6", 8" or 12" on center (o.c.)
- IB Aluminum Termination Bar can be made to order with special hole spacing



Weight:

1 lb.

Available Colors:

Silver

Approvals:

- Factory Mutual (F.M.)
- Miami-Dade County

IB Clad Termination Bar

Product Description:

IB Clad Termination Bar is fabricated from 24 gauge, ASTM A653-09, CS Type B, G90 galvanized sheet metal with a durable 45 mil non-reinforced IB PVC film with acrylic finish laminated to the top surface. Bars are 2" wide with a hemmed caulk lip on the top and a hemmed bottom edge and can be installed over membrane flashings at vertical surfaces (like a traditional termination bar), or installed first to allow for the membrane to be welded directly to the IB Clad Termination Bar for a cleaner application.

Sizes:

2" x 10' sections

Packaging:

Sold as individual sections

50 pieces per box

4 lbs. per piece

Features:

- Durable 45 mil IB PVC non-reinforced film laminated to corrosion resistant 24 gauge, G90 galvanized metal
- Acrylic finish top surface
- Installed either on top or underneath the roofing membrane

Installation:

Secure termination bar to the wall with approved IB fasteners suitable for the substrate spaced no more than 6" o.c. for most applications. Refer to IB Specifications and Construction Details for additional installation requirements.

Available Colors:

White and Bronze

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IB Snap Fascia

Product Description:

IB Snap Fascia is a two part assembly with a raised rigid retainer/clip base plate and a raised decorative, snap on facing cover designed for terminating Single-Ply roofing systems at the perimeter edges, or for vertically terminating Single-Ply base flashing. The IB Snap Facing system comes standard with 24 ga. Kynar 500 coated galvanized steel decorative snap on facing and a 20 ga. galvanized steel retainer/clip base plate with 9/32" pre punched holes for fastening 12" on center in 10.0' standard lengths.

Features:

- Can be used as an edge termination like an edge, rake, or ridge metal can be used as a surface mounted counter flashing for vertical base flashing applications
- Design allows for a dual sealant termination by providing a continuous positive pressure compression of the roofing membrane to the underlying structure
- Optional Kynar 500 coated formed raised aluminum finishes and thickness' of .050-.063

Attachment:

Ensure that roofing membrane is continued up the side wall far enough to be covered by the raised rigid retainer/clip base plate. Position the raised rigid retainer/clip base plate as shown in the detail drawings. Attach using the mechanical fasteners (by installer). Locate fasteners in each pre-punched hole. Space each 10'-0" section by 1/8" (or 1/4" in cold weather) to allow for thermal expansion. Position the snap on facing cover as shown in the detail drawings (parallel to the raised rigid retainer/clip base plate). Hook the bottom of the snap on facing cover on the bottom lip of the raised rigid retainer/clip base plate and push the top of the snap on facing cover until it snaps it into position. Lap each adjoining piece of IB Snap Facing Assembly a min. of 1" to allow for thermal expansion. Stagger all fascia cover seams so that they do not align with raised rigid retainer/clip base plate seams. Apply a continuous (3/8") wide bead of sealant to the top side of the IB Snap Facing (see detail drawing). Field bevel cut raised rigid retainer/clip base plate and IB Snap Facing for appropriate corner.

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IB Drive Lock Two Piece Counter Flashing

Product Description:

IB Drive-Lock Two-piece counter flashing system with surface mounted reglet / receiver punched for fastening 12" on center. Snap-on metal skirt flashing can be removed for re-roofing or maintenance.

Materials:

Reglets are primarily made from mill aluminum or pre-coat Kynar 500® aluminum sheet. The two piece reglet and flashing details are usually fabricated with an .050" reglet head and an .032" flashing. Special colors or finishes are available. Finish setups or minimum quantities may be required. Copper or stainless steel reglets by request. Finishes are: Natural mill aluminum, pre-coat Kynar 500® - from the manufacturers standard color chart, post-coat Kynar 500® industry standard two coat colors.

Packaging: (1 unit)

- Receiver piece
- Snap Fascia
- Splice Piece

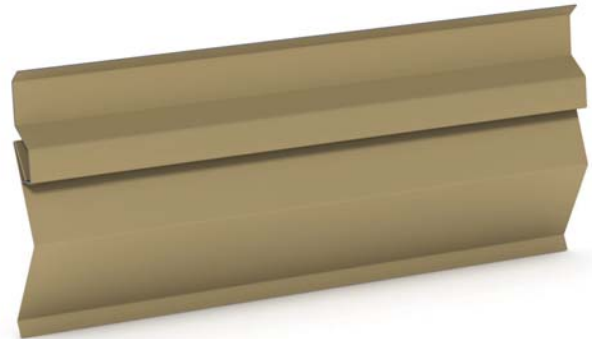
Finish:

- Mill Finished
- Pre Finished Kynar 500®
- Post Finished Kynar 500®
- Pre Finished Anodize
- Post Finished Anodize

Available Colors:

Manufacturers standard color chart

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IB 110 Fascia

Product Description:

IB 11- Fascia is a two part assembly with a raised rigid retainer spring clip base plate and a raised decorative, snap on fascia cover designed for terminating Single-Ply roofing systems. The IB 110 fascia system comes standard with 24 ga. Kynar 500 coated galvanized steel decorative snap on fascia and a 20 ga. Galvanized steel retainer spring clip base plate with 9/32" pre punched holes for fastening 12" on center in 10.0' standard lengths.

Features:

- Simple snap-on installation saves labor
- Continuous galvanized spring clip: quick installation allows the roof to be dried immediately
- Galvanized material is highly resistant to thermal cycles
- Spring action clip instead of static dam: keeps face firmly seated in the drip without the need for crimping
- No exposed fasteners: provides clean lines, low installation / labor cost
- Concealed splice plate: smooth unbroken appearance
- Factory fabricated accessories: maintains professional appearance and can provide material to complete the entire job with consistent looking material
- F.M. windstorm approval up to F.M.-I-225
- Manufactures blow-off and waterproofing warranties available include 25 year, 155 mph Category 5 Warranty
- Optional Kynar 500 coated formed raised aluminum finishes and thickness' of .050-.063

Attachment:

Nail the continuous galvanized spring clip to the vertical face of the wood nailer. Locate the fasteners 3/4" below the roof edge (approximate center of nailer) and 12" on center using a minimum 1-1/2" galvanized roofing nail. Allow 1/4" gap between sections of clip. Lay roofing membrane over the spring clip allowing it to extend down the face to the drip edge. Locate and hang joint covers at all joints between corners and straight sections. Hook each section over the top of the spring clip and membrane. Press down on the fascia until the drip edge is engaged. Allow 1/8" (1/4" in cold weather) gap for expansion. Coordinate with membrane manufacturer before starting installation.

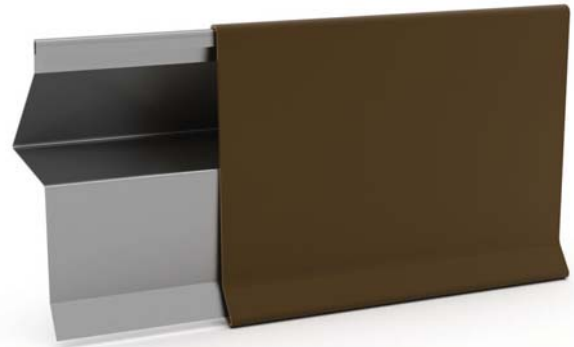
Warranties:

20 year, 110 mph wind warranty

Approvals:

Product is UL Classified to meet ANSI/SPRI ES-1 Roof Edge Standard as required by the International Building Code (IBC). Contact IB Roof Systems for more details.

Front



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IB 155 Fascia

Product Description:

IB 155 Fascia is a two part assembly with a rigid retainer/clip base plate and a decorative, snap on fascia cover designed for terminating Single-Ply roofing systems. The IB 155 Fascia system comes standard with 24 ga. Kynar 500 coated galvanized steel decorative snap on fascia and a 20 galvanized steel retainer/clip base plate with 9/32" pre punched holes for fastening 12" on center in 10.0' standard lengths.

Features:

- Simple two piece system: snap-on installation saves labor
- Variety of materials and finishes available: can meet needs of any finish or budget requirements
- Long-wearing finish and no oil canning of materials
- No exposed fasteners: provides clean lines, low installation & labor cost
- Concealed splice plate: smooth unbroken appearance
- Factory fabricated corners and accessories available: maintains professional appearance and can provide material to complete the entire job with consistent looking material
- F.M. windstorm approval rating up to F.M.-I-465
- Optional Kynar 500 coated formed aluminum finishes and thickness' of .032-.040-.050-.063
- Optional formed or extruded aluminum retainer/clip base plate
- Designed for raised perimeter edges only (water flows away, not over IB 155 Fascia)

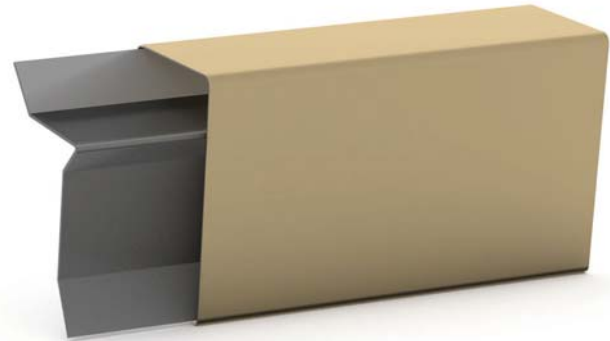
Attachment:

Install the roofing membrane according to the roofing membrane manufacturer's instructions. The edge of the membrane should extend over the face of the building approximately 3" (76.2 mm) and be secured by the retainer section or as required by the membrane manufacturer. Before the retainer is installed, apply a continuous bead of the roof manufacturer's sealant to the bottom side of the retainer. Lap the retainer by 1" (325.4 mm) and do not fasten through the laps. Secure the retainer using provided 1-1/2" stainless steel fasteners. Locate the fasteners in the pre-punched holes as required. Unless otherwise specified, fasteners should be located every 12" (304.8 mm). Install concealed joint covers between each fascia section. Hook the joint cover from the top and allow it to hang down the face of the retainer. Do not hook on the drip. Install fascia by hooking the back flange over the top of the retainer. Snap the fascia on by pushing down firmly on the leading edge until bottom snaps over the drip edge of the retainer. Leave a 1/8" gap (1/4" in cold weather) for thermal movement.

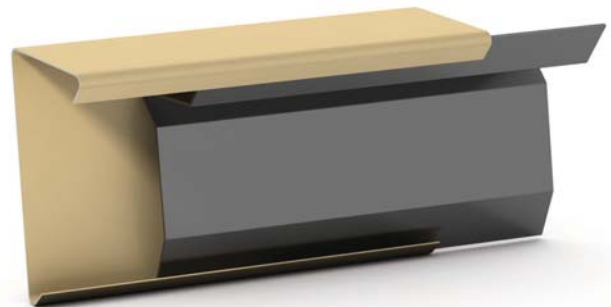
Available Colors:

White is the standard color. Call for availability.

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Fascia Model	Face Height "A" Inches	Coverage "C" Inches	Number of Nailers Covered
IB - 155 / 375	3.75"	2.5"	1
IB - 155 / 525	5.25"	4"	2
IB - 155 / 675	6.75"	6.75"	3

*Unless ordered otherwise, IB-155 comes standard with formed aluminum exterior retainer and interlocking aluminum fascia.

Approvals:

Product is UL Classified to meet ANSI/SPRI ES-1 Roof Edge Standard as required by the International Building Code (IBC). Contact IB Roof Systems for more details.

IB Perma-Snap Coping

Product Descriptions:

IB Snap-On Coping is a parapet coping that includes hold down cleats and metal drain chairs. Standard coping is formed from .063" or .050" aluminum; 24ga. galvanized steel with Kynar 500® coating. Standard coping cap length is 10'. Cleats are 20ga. galvanized steel. Chairs are metal in the same color and finish as the coping cap. It is fabricated to the wall width with a range of 6" to 32". Face and back leg are a 4" nominal length with tested approvals up to 6".

IB 155 Snap-On Coping is a parapet coping that includes hold down cleats and metal drain chairs. Standard coping is formed from .063" or .050" aluminum; 16ga. galvanized steel with Kynar 500® coating. Standard coping cap length is 10'. Cleats are 20ga. galvanized steel. Chairs are metal in the same color and finish as the coping cap. It is fabricated to the wall width with a range of 6" to 32". Face and back leg are a 4" nominal length with tested approvals up to 6".

Finishes:

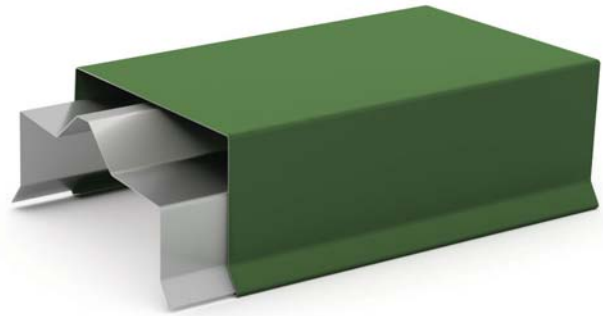
- Natural Mill aluminum
- Pre-coat Kynar 500® from manufacturer's standard color chart
- Pre-coat Kynar 500® industry standard two coat colors
- Non-standard Kynar 500® colors requiring multiple coatings or protective clear coatings
- Anodized aluminum – clear, bronze, and black

Performance:

IB Snap-On Copings are UL Classified to meet ANSI/SPRI ES-1 Test Method RE-3 for coping. They have been tested simultaneously on the horizontal and vertical surfaces and have exceeded design wind pressure as calculated in accordance with the current edition of ANSI/SPRI ES-1 "Wind Design Standard for Edge Systems used with Low Slope Roofing Systems".

IB Snap-On Coping is listed in the current FM Global Approval Guide approved for Windstorm ratings up to FM 1-90 depending upon wall width, cleat spacing, and gauge of cap.

IB 155 Snap-On Coping is listed in the current FM Global Approval Guide approved for Windstorm ratings up to FM 1-180 depending upon wall width, cleat spacing, and gauge of cap.



IB Steel-Polymer Batten Bar

IB Heavy Duty Steel Batten Bar

Product Description:

IB Heavy Duty Steel Batten Bar is made of Galvalume®. All ends have been rounded and edges have been deburred. Holes are punched into each bar with a standard spacing of 6”o.c.

Features:

- Width: 1”
- Thickness: 16 gauge
- Hole: 1/4” flat

Installation:

IB Heavy Duty Steel Batten Bar is designed to secure Single-Ply membrane to steel, wood and concrete decks using the appropriate IB Fastener.



Physical Data		
Length	Pack	Weight
10'	Tube	103 lbs.

IB Polymer Batten Bar

Product Description:

IB Polymer Batten Bar is made of corrosion resistant polymer. Holes are punched into each bar with a standard spacing of 3” o.c. Spacing holes at 12” o.c. are also marked for ease of identification.

Features:

- Width: 1”
- Thickness: 1/20”
- Hole: 1/4” flat

Installation:

IB Polymer Batten Bar is designed to secure Single-Ply membrane to steel, wood and concrete decks using the appropriate IB Fastener.



Physical Data		
Length	Pack	Weight
250'	Box	10 lbs.

IB Separator Sheet

Product Description:

IB Separator Sheet is a high strength, polypropylene scrim reinforced fabric with polypropylene coating on both sides that is used as a separation sheet beneath membranes to resist contaminant, residue transfer and moisture from existing substrates.

Packaging:

70" x 515'

Attachment:

Preliminarily fastened for simultaneous attachment with an IB membrane or loose laid for ballasted assemblies.

Use:

For use as a general duty separation layer between compatible and non-compatible roofing components. Contact IB Technical Services department for more details.



Property	ASTM Standard	Values
Grab Tensile (N)	D5034	Warp 115 lb (510) / Weft 110 lb (488)
Tongue Tear (N)	D2261	Warp 40 lb (177) / Weft 45 lb (200)
Trapezoidal Tear (N)	D4533	Warp 55 lb (244) / Weft 45 lb (200)
Mullen Burst	D3786	220 psi (1515kPa)
Pliability	N/A	-40° C or -40° F
Outdoor Weathering	>80% strength retained after 6 months outdoor exposure	>80% strength retained after 6 months outdoor exposure

IB Poly Separator Sheet

Product Description:

IB Poly Separator Sheet is a polyester based woven fiber sheet that is used as a divorcing layer between IB membranes and incompatible or contaminated materials and surfaces. It can also serve as a protection layer between overburden items such as wood decking, pavers, etc.

Packaging:

- IB Poly Separator Sheet : Shrink wrapped and packaged in 7'6" wide x 360' long rolls (2,700 sq. ft.) that weighs 110 lbs.

Attachment:

Preliminarily fastened for simultaneous attachment with an IB membrane or loose laid for ballasted assemblies.

Use:

For use as a separation layer between compatible and non-compatible roofing components. Contact IB Technical Services department for more details.



IB HD Poly Separator Sheet

Product Description:

IB HD Poly Separator Sheet is a heavy duty 16 oz. polyester based woven fiber sheet that is used as a divorcing layer between IB membranes and incompatible or contaminated materials and surfaces. It can also serve as a protection layer between overburden items such as stone ballast or pavers. IB HD Poly Separator Sheet is an ideal cushioning layer for ballasted assemblies over concrete decks.

Packaging:

- IB HD Poly Separator Sheet (16 oz.): Shrink wrapped and packaged in 7'6" wide x 150' long rolls (1,125 sq. ft.) that weighs 135 lbs.

Attachment:

Preliminarily fastened for simultaneous attachment with an IB membrane or loose laid for ballasted assemblies.



IB Fire Sheet 10

Product Description:

IB Fire Sheet 10 is a fire resistant Separation Sheet / Thermal Barrier that enhances a roof assembly's overall fire performance. This material is constructed using a strong fiber-glass core mat that is coated with a specially formulated acrylic coating that can be installed as the first layer directly over a roof deck, as a separation layer over insulation, or as a divorcing layer between a new IB Roof System and the existing insulation or non-insulated roof system.



Packaging:

IB Fire Sheet 10 is palletized and shrink wrapped 20 per pallet. IB Fire Sheet 10 rolls are 48" wide x 250' long and weigh an average of 90 lbs.

Features:

- Superior Thermal Barrier Value: Less material cost than gypsum based roof boards
- Approved Separation Layer Between Insulations: Effective barrier between Expanded Poly-Styrene (EPS) and Extruded Poly-Styrene (XEPS) insulation and PVC membranes
- Superior Coverage: IB Fire Sheet 10 comes in 10 squares (1,000 sq. ft.)

IB Fire Sheet 10 Standard Sizes					
Fire Sheet	Squares / Roll	Coverage w/ 2" Lap	Roll Size	Roll Weight	Rolls / Pallet
IB Fire Sheet 10	10 Squares (1,000 sq. ft.)	9.58 Squares (958 sq. ft.)	48" x 250' (1219.2 mm x 76.2 mm)	90 lbs.	20

Use:

(First Course): Start by installing a full width layer at the low side of the roof (either at the base of a perimeter parapet wall or at the nailer of the perimeter edge) lay perpendicular to the roof slope. Place approved fasteners over the face of the Separator Sheet per the pattern density required and secure using a clutch or adjustable depth powered fastening device. Installer to ensure that the fasteners are to engage the top rib (metal decks) or upper flat surface of the substrate and not over drive or strip out fastener from the roof deck. Continue installing full width layers of Separator Sheet as described until reaching the end of the area that is being roofed that work day or onset of inclement weather. (Subsequent Courses): Continue installing additional courses, lapping previous course per sheet exposure requirements until reaching the area that can be roofed by the end of the workday or onset of inclement weather.

Tensile Properties		
Property	Test Method	FR-10
Machine Direction	ASTM D828	60 lb./in.
Cross Machine Direction	ASTM D828	27 lb./in.

Approvals:

IB Fire Sheet 10 is listed with various component assemblies at UL and Factory Mutual (F.M. Global) for fire, wind uplift, and impact. Visit our website for links to these agencies and listings at: www.ibroof.com.

Sopravap'r

Product Description:

Sopravap'r is a self-adhesive membrane composed of SBS modified bitumen on the bottom surface and a tri-laminated woven polyethylene facer.



Packaging:

Sopravap'r rolls are 45" x 134' and will cover 468 square feet with a 3" overlap and is manufactured by Soprema and distributed by IB Roof Systems.

Features:

- High resistance to foot traffic
- Self Sealing
- Quick release silicone film

Approved Substrates:

- Steel
- Plywood
- Structural Concrete
- Gypsum

Surface Preparation:

Except for steel decks, all substrates must be primed with Elastocol Stick or Elastocol Stick Zero. The substrate should be clean and sound, free of loose materials or contaminants, such as water or grease that may compromise the performance of the product.

Application:

Sopravap'r is adhered by peeling off the silicone release film. Side laps must be a minimum of 3" and end laps a minimum of 6". All end laps on steel deck shall be supported by a metal plate (6"x42") Minimum application temperature (14°F).

Physical Properties			
Property	MD	XMD	Test Method
Thickness (Avg.)	31 mils (0.8 mm)		ASTM D5147
Tensile Strength (Avg.)	54 lbf./in.	74 lbf./in	ASTM D5147
Ultimate Elongation @ 73° F	33%	25%	ASTM D5147
Tear Resistance (Avg.)	95 lbf.	103 lbf.	ASTM D1970
Static Puncture (Avg.)	90 lbf.		ASTM D5602
Lap Adhesion	68 lbf./ft.		ASTM D1876
Water Absorption (Max.)	0.1%		ASTM D5147
Peel Resistance (Avg.)	5.4 lbf./in.		ASTM D903
Cold Bending	-58° F		ASTM D5147
Water Vapor Permeance	0.06 perm.		ASTM E 96
Air Permeability (Avg.)	< 0.002L/sec/m ²		ASTM E283

IB SD #12 Insulation Fastener

Product Description:

The IB SD #12 Insulation Fastener is designed to secure insulation and separation materials to various substrates. It is intended to be used with IB 3" insulation plates.

Packaging:

The fasteners come pre-packaged in a plastic bucket. See graph for quantity and weights.

Features:

- Drill point design prevents fastener walking
- 13 threads per inch provides higher pull-out values
- Drill point cuts through gravel and BUR
- E-coat meets F.M. Approval Standard 4470

Application:

The IB SD #12 Insulation Fastener must penetrate steel decks a minimum of 3/4", wood plank decks a minimum of 1" and 1/2" through the underside for plywood decks. Using a screw gun, drive the fastener until a slight depression is seen around the plate, or with very rigid insulation boards, watch for the plate to dimple. Note: Care must be taken not to overdrive the fastener and fracture the skin of the insulation. Fastener must be tight enough so that the plate doesn't turn.

Approvals:

- Factory Mutual (F.M.)
- Miami-Dade Count (MD)
- Florida Building Code (FBC)
- International Codes Council Evaluation Services (ICC-ES)
- Texas Department of Insurance (TDI)



Length	Thread Length	Packaging	Weight
1-5/8"	Full	1000	13 lbs.
2-1/4"	Full	1000	17 lbs.
2-7/8"	Full	1000	17 lbs.
3-1/4"	3"	1000	23 lbs.
3-3/4"	3"	1000	26 lbs.
4-1/2"	4"	1000	26 lbs.
5"	4"	1000	31 lbs.
6"	4"	1000	41 lbs.
7"	4"	500	24 lbs.
8"	4"	500	28 lbs.

Fastener Properties:

Head: #3 Phillips
 Head Height: .118" max
 Head Diameter: .448" max
 Thread Major Diameter: .222"
 Shank Diameter: .167"

Strength (lbs. ult.):

Tensile: 2410
 Torsional: 76 in-lbs min.
 Shear: 1815

Typical Pull-out values (lbs. avg.):

Steel 22 ga: 513
 Steel 20 ga: 695
 Steel 18 ga: 787
 Dimensional Lumber (1" penetration): 462
 3/4" Plywood: 575

IB HD #14 Roofing Fastener

Product Description:

The IB HD #14 Roofing Fastener is designed to secure insulation and membrane to various substrates. It is used in conjunction with an IB 3" insulation plate and 2" and 2-3/8" barbed seam plates. It is available in lengths ranging from 1-1/4" – 12".

Packaging:

The fasteners come pre-packaged in a plastic bucket. See graph for quantity and weights.

Features:

- 10 threads per inch for ease of installation in concrete roof decks
- Low profile truss head
- Deep #3 recess provides for ultimate bit engagement
- The Dekfast reduced drill point provides for ultimate pull-out values by producing a minimum opening. Thread engagement is superior as compared to standard drill points
- E-coat meets F.M. Approval Standard 4470

Application:

The IB HD #14 Roofing Fastener must penetrate steel decks a minimum of 3/4", wood plank decks a minimum of 1" and 1/2" through the underside for plywood decks. Using a screw gun, drive the fastener until a slight depression is seen around the plate, or with very rigid insulation boards, watch for the plate to dimple. Note: Care must be taken not to overdrive the fastener and fracture the skin of the insulation. Fastener must be tight enough so that the plate doesn't turn.

Approvals:

- Factory Mutual (F.M.)
- Miami-Dade County (MD)
- Florida Building Code (FBC)
- International Codes Council Evaluation Services (ICC-ES)
- Texas Department of Insurance (TDI)



Length	Thread Length	Packaging	Weight
1-1/4"	Full	1000	12 lbs.
1-3/4"	Full	1000	16 lbs.
2"	Full	1000	19 lbs.
3"	Full	1000	24 lbs.
4"	Full	1000	30 lbs.
5"	4"	1000	45 lbs.
6"	4"	1000	46 lbs.
7"	4"	500	28 lbs.
8"	4"	500	31 lbs.
9"	4"	500	34 lbs.
10"	4"	500	38 lbs.
11"	4"	500	41 lbs.
12"	4"	500	45 lbs.

Fastener Properties:

Head: #3 Phillips
 Head Height: .118" max
 Head Diameter: .448" max
 Thread Major Diameter: .238"
 Shank Diameter: .180"

Strength (lbs. ult.):

Tensile: 3600
 Torsional: 110 in-lbs min.
 Shear: 2630

Typical Pull-out values (lbs. avg.):

Steel 22 ga: 513
 Steel 20 ga: 695
 Steel 18 ga: 787
 Concrete (1" penetration): 850
 3/4" Plywood: 590
 Dimensional Lumber (1" penetration): 605

IB XHD #15 Roofing Fastener

Product Description:

The IB XHD #15 Roofing Fastener is designed to secure insulation and membrane to various substrates. It is used in conjunction with an IB 3" insulation plate and 2" and 2-3/8" barbed seam plates. It is available in lengths ranging from 1-1/4" – 12".

Packaging:

The fasteners come pre-packaged in a plastic bucket. See graph for quantity and weights.

Features:

- Drill point design prevents fastener walking
- 13 threads per inch provides higher pull-out values
- Drill point cuts through gravel and BUR
- Above average pull out values in 24 & 26 ga metal
- E-coat meets F.M. Approval Standard 4470

Application:

The IB XHD #15 Roofing Fastener must penetrate steel decks a minimum of 3/4", wood plank decks a minimum of 1" and 1/2" through the underside for plywood decks. Using a screw gun, drive the fastener until a slight depression is seen around the plate, or with very rigid insulation boards, watch for the plate to dimple. Note: Care must be taken not to overdrive the fastener and fracture the skin of the insulation. Fastener must be tight enough so that the plate doesn't turn.

Approvals:

- Factory Mutual (F.M.)
- Miami-Dade County (MD)
- Florida Building Code (FBC)
- International Codes Council Evaluation Services (ICC-ES)
- Texas Department of Insurance (TDI)



Length	Thread Length	Packaging	Weight
2"	Full	1000	24 lbs.
3"	Full	1000	30 lbs.
4"	Full	1000	42 lbs.
5"	4"	1000	51 lbs.
6"	4"	500	30 lbs.
7"	4"	500	35 lbs.
8"	4"	500	40 lbs.
10"	4"	500	49 lbs.
12"	4"	500	29 lbs.
14"	4"	500	34 lbs.
16"	4"	500	38 lbs.

Fastener Properties:

Head: #3 Phillips
 Head Height: 130" max
 Head Diameter: 448" max
 Thread Major Diameter: 263"
 Shank Diameter: 204"

Strength (lbs ult.):

Tensile: 4350
 Torsional: 130 in-lbs min
 Shear: 3700

Typical Pull-out values (lbs avg.):

Steel 22 ga: 706
 Steel 20 ga: 898
 Steel 18 ga: 1140
 3/4" Plywood: 703
 Lumber (1" penetration): 692
 Concrete (1" penetration): 728

Non FM Approved Decks:

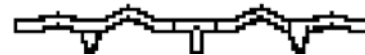
26 ga: 301
 24 ga: 453

Membrane / Insulation Plates

2" Barbed Seam Plate:

For use with: Wood, Light Gauge and Heavier Steel

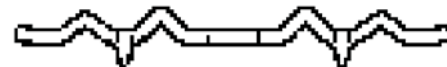
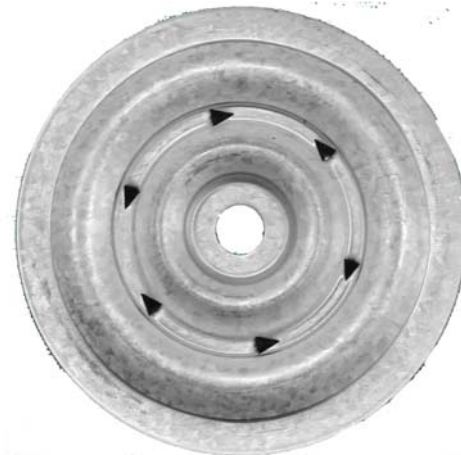
OD: 2"
 ID: .265/.270"
 Thickness: .038"
 Finish: AZ50 Galvalume



2-3/8" Barbed Seam Plate:

For use with: Steel, Concrete, and Wood Fiber

OD: 2-3/8"
 ID: .260/.262"
 Thickness: .038"
 Finish: AZ50 Galvalume



3" Insulation Plate:

For use with: Cover boards and Insulation over any roof deck

OD: 3"
 ID: .260"
 Thickness: .019"
 Finish: AZ50 Galvalume

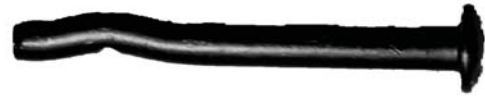


Description	Diameter	Packaging	Weight
2" Barbed Seam Plate	2"	1000	29 lbs.
2-3/8" Barbed Seam Plate	2-3/8"	1000	52 lbs.
3" Insulation Plate	3"	1000	37 lbs.

Dekspike Roofing Fastener

Product Description:

The Dekspike Roofing Fastener is a mushroom head, hammer-in, non-threaded fastener designed to secure approved IB insulation, cover boards, IB PVC membranes and flashing materials to structural concrete.



Sizes:

Standard lengths in 2"-6". Additional lengths available on special order basis.

Packaging:

The fasteners come pre-packaged in a plastic bucket. See graph for quantity and weights.

Application:

Pre-drill a 1/4" hole using a carbide drill bit. The fastener is then installed with a 2 lb. short handle sledge hammer. Minimum fastener embedment into the deck should be 1-1/4". The pre-drilled hole must be a minimum of 1/2" deeper than fastener embedment. Also, care must be taken not to overdrive the fastener causing subsequent damage to the insulation facer.

Length	Packaging	Weight
2"	500	13 lbs.
3"	500	18 lbs.
4"	500	23 lbs.
5"	500	28 lbs.
6"	500	33 lbs.

Approvals:

- Factory Mutual (F.M.)
- Miami-Dade Count (MD)
- Florida Building Code (FBC)
- International Codes Council Evaluation Services (ICC-ES)
- Texas Department of Insurance (TDI)

Fastener Properties:

Head: Mushroom Head
 Head Height: .120" max
 Head Diameter: .500" max
 Shank Diameter: .239"

Strength (lbs. ult.):

Tensile (at 1-1/4" embedment): 1100

Typical Pull-out values (lbs. avg.):

Concrete 4000 psi (1-1/4" penetration): 1550

Deklite Roofing Fastener & Stress Plates

Product Description:

The Deklite Roofing Fastener is a glass-filled nylon auger fastener with a 1-in. head designed to secure approved IB insulation and membranes to gypsum, lightweight insulating concrete and cementitious wood fiber (i.e., Insulrock, Permadeck, Tectum®, etc.). The fastener features a wide buttress thread design for excellent pull-out resistance, and features tabs that lock the plate to the head of the fastener. The fastener is embedded into the substrate 1-1/2".

Sizes:

Available in lengths from 2"-6"

Packaging:

The fasteners come pre-packaged in a plastic bucket. See graph for quantity and weights.

Attachment:

Minimum fastener embedment into the deck should be 1-1/2". Approved substrates are lightweight insulating concrete, poured gypsum, gypsum plank, and cementitious wood fiber.

Approvals:

- Factory Mutual (F.M.)
- Miami-Dade County (MD)
- Florida Building Code (FBC)
- International Codes Council Evaluation Services (ICC-ES)
- Texas Department of Insurance (TDI)

Accessory Stress Plates for Deklite Fasteners:

Barbed Seam Plates for Membrane Installation:

Deklite 2" Round Seam Plate

Diameter: 2"

Thickness: .032"

Finish: AZ55 Galvalume

Round Plate for Insulation Securement:

Deklite 3" Round Insulation Plate

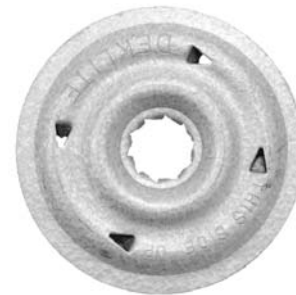
Diameter: 3"

Thickness: .017"

Finish: AZ55 Galvalume



Length	Thread Length	Packaging	Weight
2"	1-1/2"	500	14 lbs.
2-1/2"	2"	500	15 lbs.
3"	2-1/2"	500	17 lbs.
3-1/2"	3"	500	18 lbs.
4"	3"	500	19 lbs.
4-1/2"	3"	500	21 lbs.
5"	3"	500	22 lbs.
5-1/2"	3"	500	23 lbs.
6"	3"	500	25 lbs.



Deklite Stress Plates		
Length	Packaging	Weight
2"	500	18 lbs.
3"	500	18 lbs.

Fastener Properties:

Head OD: 1"

Head Height: 1/8"

Insert Size: 1/4" square drive

Fixture Clearance Hole: 5/8"

Fixture clearance holes are needed only when plywood or other rigid materials are fastened to a roof deck.

Zinc Nail-ins

Product Description:

Mushroom head, expanding zinc plated steel nail-in anchors used for fastening IB termination bars and metal flashings to concrete and filled masonry walls.

Sizes:

3/16" x 7/8" length
 1/4" x 3/4"-2" lengths

Packaging:

The fasteners come pre-packaged in a plastic bucket. See graph for quantity and weights.

Application:

Approved substrates include structural concrete, filled masonry block, brick and stone. Pre-drill a 3/16" or 1/4" hole with a carbide tipped masonry drill. Hole depth must exceed length of anchor to allow for full embedment. Insert anchor and tap gently into position. Drive the nail flush to the anchor head to expand the anchor.



Dia. & Length	Embedment Depth	Carton Wt. (lbs.)	Carton Qty.
3/16" x 7/8"	3/4"	5	500
1/4" x 3/4"	5/8"	8	500
1/4" x 1"	7/8"	10	500
1/4" x 1-1/4"	1-1/8"	12	500
1/4" x 1-1/2"	1-3/8"	13	500
1/4" x 2"	1-7/8"	16	500