

Product Description:

IB Water Stop is a butyl-based, one-component mastic designed specifically for sealing IB flashing membrane to substrates, behind exposed termination bars, and between roofing membrane and drain flashings to create a flexible seal for stopping water intrusion into the roofing system. It is also ideal for sealing vertical terminations, vent openings, pipe openings, or protrusions through roof membranes.

Packaging:

10.3 oz cartridge, 10 per case

Color:

Gray

Features:

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

Coverage:

One tube will yield approximately 15 linear feet at 1/2" bead

Application:

Refer to IB Specifications and Construction Details for additional installation instructions. IB Water Stop 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 Stop 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. comes ready to use. Apply using a professional grade caulking gun. Do not open cartridges, until ready for use. Apply by holding an appropriately sized nozzle against the substrate while engaging the caulking tool to produce flow in a desired bead size. Tool or spread as necessary maintaining desired thickness.

Temperature Guidelines/Storage & Handling:

Store in a dry area, indoors, out of direct sunlight in the original unopened container. IB Water Stop is flammable. Store away from excessive heat and open flames. Optimum product storage temperature is 60-80°F (15-27°C). Shelf life is 12 months with proper storage. Always rotate stock.

Limitations:

- Do not store in direct sunlight.
- Substrate temperature shall be above 40°F (4°C) prior to application.
- Do not use when ambient, substrate or product temperatures are outside specified temperature ranges.
- Do not use during inclement weather, on wet surfaces or on any substrate showing signs of deterioration or loss of structural integrity.
- Do not use after the expiration date.
- 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
Weight per Gallon	12.093
Flash Point, °F (Seta Flash)	104°F
Solvent	Mineral Spirits

Product Description:

Chem-Link® 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 cannot "out-gas" or bubble on damp surfaces as urethane sealants often do. M-1® is capable of joint movement in excess of 35% 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:

10.1 oz cartridge, 24 per case

Colors:

Black

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

Coverage:

One tube will yield approximately 15 linear feet at 1/2" bead

Application:

Refer to IB Specifications and Construction Details for additional installation instructions. M-1® 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. For best results, M-1® should be applied at temperatures of 40°F and rising. Comes ready to use. Apply using a professional grade caulking gun. Do not open cartridges, until ready for use. Apply by holding an appropriately sized nozzle against the substrate while engaging the caulking tool to produce flow in a desired bead size. Tool or spread as necessary maintaining desired thickness.

Temperature Guidelines/Storage & Handling:

Store in a dry area, indoors, out of direct sunlight in the original unopened container. Optimum product storage temperature is 60-80°F (15-27°C). Do not store in elevated temperatures. Shelf life is 12 months when stored at 70°F (21°C) with 50% relative humidity. Always rotate stock.

Limitations:

- Do not store in direct sunlight.
- Do not store in elevated temperatures.
- Do not use in areas subject to continuous immersion.
- Substrate temperature shall be above 40°F (4°C) prior to application.
- Substrate temperature limitation is 125°F (52°C)
- Do not use when ambient, substrate or product temperatures are outside specified temperature ranges.
- Do not use on any substrate showing signs of deterioration or loss of structural integrity.
- Do not use after the expiration date.
- Horizontal applications will require tooling.
- Does not bond to Kynar 500® PVDF coated metals.



Applicable Performance Standards:

- ASTM C920, Type S, Grade NS, Class 35 Uses NT, T1, M, G, A & O
- ASTM E84, Class A
- Federal Specification TT-S-00230-C Type II, Class B
- Corps of Engineers CRD-C-541, Type II, Class B
- Canadian Standards Board CAN 19, 13-M82
- SWR Institute Validated (Sealant Waterproofing and Restoration)

Regulatory Compliance:

- Conforms to OTC Rule for Sealants and Caulks
- Meets requirements of California Regs: CARB, BAAQMD and SCAQMD
- This product does not contain cancer causing chemicals listed in California Proposition 65.
- Conforms to USDA Requirements for Non-food Contact

Compatible Substrates*

EPDM	SBS Mod Bit
Aluminum and Galvanized Metal	Stainless Steel
Engineered Plastics, PVC	Glass
Fiberglass FRP	Wood
Block and Brick	Concrete and Stone
EPS Foam	EIFS, Stucco

*Test and evaluate to ensure adequate adhesion

Performance Specifications

Gun Grade	Zero Slump	
Viscosity	1,200,000 cp +/- 400,000 cp	Brookfield RVF TF Spindle, 4 RPM, 73°F (23°C)
Density	11.94 lbs per gallon	ASTM D1475
Tack Free Time	35 min +/- 10 min	45 +/- 5 % R.H
Elongation at Break	525%	ASTM D412
Hardness Shore A	45	ASTM C661
Tensile Strength	370 psi	ASTM D412
Shear Strength	390 psi	ASTM D1002
Tear Strength	111 pli	ASTM D624
Low Temp Flexibility	Pass -15°F (-26°C) 1/4 inch mandrel	ASTM D522
Shrinkage	No visible shrinkage after 14 days	
Service Temperature	-40°F to 200°F (-40°C to 93°C)	

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:

10.3 oz cartridge, 12 per case

Colors:

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

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

Coverage:

One tube will yield approximately 15 linear feet at 1/2" bead

Application:

Refer to IB Specifications and Construction Details for additional installation instructions. Solar Seal 900 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. Solar Seal 900 should be applied at temperatures of 40°F and rising. Comes ready to use. Apply using a professional grade caulking gun. Do not open cartridges, until ready for use. Apply by holding an appropriately sized nozzle against the substrate while engaging the caulking tool to produce flow in a desired bead size. Tool or spread as necessary maintaining desired thickness.

Temperature Guidelines/Storage & Handling:

Store in a dry area, indoors, out of direct sunlight an in the original unopened container. Optimum product storage temperature is 60-80°F (15-27°C). Shelf life is 24 months with proper storage. Always rotate stock.

Limitations:

- Do not store in direct sunlight.
- Substrate temperature shall be above 40°F (4°C) prior to application.
- Substrate temperature limitation is 125°F (52°C)
- Do not use when ambient, substrate or product temperatures are outside specified temperature ranges.
- Do not use during inclement weather, on wet surfaces or on any substrate showing signs of deterioration or loss of structural integrity.
- Do not use after the expiration date.
- Not recommended for use of structural applications or joints under constant water submersion.
- Not compatible with expanded polystyrenes (EPS).



Performance Specifications	
VOC	240 grams/Liter
Total Solids, %	100%
Elongation, %	200-400%
Sag	No sag
Hardness Shore A	30
Tack Free Time	4 hours
Cure Rate @ 75°F	
Skin	24 hours
Full	21 days

Note: This product may not be available in California due to SCAQMD Rule 1168 VOC requirements effective January 1, 2024.

IB Sealer

Moisture Cure Seam & Repair Sealant

IB Roof Systems®

Product Description



IB Sealer is a high performance, plasticizer free, single component, 100% solids moisture-curing and self-leveling sealant/adhesive that is designed to seal all seams, fasteners, ridge caps, flashings, and penetrations on all types of roof substrates in conjunction with IB Acrylic or IB Silicone coatings.

Packaging

10 oz. Cartridge, 28 oz. Cartridge & 2-Gallon Pail

Features and Benefits

- Plasticizer free
- 100% solids
- Low odor formulation
- Excellent adhesion, highly elastic, and high strength
- Bonds to damp surfaces and is an excellent emergency repair product
- In most cases, eliminates need for 3 course application of fabric reinforcement of seams and flashings.
- Can be applied to most surfaces without priming
- Non staining and mildew resistant
- UV resistant
- Low VOC compliant
- Colors: Gray or White

Product Use

IB Sealer is used as a self-leveling sealant on all seams, fasteners, ridge caps, flashings, and penetrations in lieu of 3 course application (except in seam repair conditions) and is compatible with IB Acrylic base coats and finish coats as well as IB Silicone Coatings. Can be applied over most substrate types.

Ordering Information

IB Sealer

Item Code	Description	Size	Class
9-SEALG10	IB Sealer Gray	10 fl. oz. tube	55
9-SEALW10	IB Sealer White	10 fl. oz. tube	55
9-SEALG	IB Sealer Gray	28 fl. oz. tube	55
9-SEALW	IB Sealer White	28 fl. oz. tube	55
9-SEALG2	IB Sealer Gray	2-gal	55
9-SEALW2	IB Sealer White	2-gal	55

Coverage Rate (approximate)

Unit Size	Fastener head encapsulation	Seams: 55 wet mils @ 2"	Seams: 55 wet mils @ 3"
10 oz. tube	95 per unit	12-15 In. ft.	9-10 In. ft.
28 oz. tube	270 per unit	35-40 In. ft.	25-30 In. ft.
2 Gallon	2,400 per unit	300-325 In. ft.	225-243 In. ft.

See recommendations for specific applications. Yields will vary depending upon system selected and the smoothness and absorptency of substrate.

Temperature Precautions

Temperatures affect viscosity, pumping and flow characteristics of the IB Sealer. Heat increases and cold decreases the flow-ability. For best results, apply when the temperatures are above 50°F (10°C). Do not apply this product below 32°F (0°C). May be applied to damp surfaces and is rain tolerant during cure. Upper temperature restriction (both air and substrate) for application of IB Sealer is 200°F (93.3°C). If the substrate temperature exceeds 200°F (93.3°C), IB Sealer should be applied during cooler periods of the day. No product should be applied

unless surface temperature is above 32°F (0°C) minimum and 200°F (93.3°C) maximum.

Storage

Always store in cool and dry location. For best results, keep product stored above 60°F (15.6°C) or below 90°F (32°C). Do not store in direct sunlight or in temperatures. Keep from freezing. Allow material to set at room temperature for 24 hours prior to use.

Physical Properties

Property	Test Method	Typical Value
% Solids by Volume	D2697	100% ± 3%
Elongation	D2370	500% (initial) 300% (aged)
Tensile Strength	D2370	200 psi (initial) 300 psi (aged)
Low Temperature Flexibility	D822	Pass @ -20°F (-28.9°C)
Shore A Hardness		25 (5-day ambient cure)
VOC Content	EPA M24	<50 g/L
Dry Time @ 75°F (24°C)	-	6-8 hours @ 50% humidity
Recoat Window	-	24 hours to recoat
Cure Time	-	30 days
Shelf Life: (unopened container stored at temperatures between 60°F and 95°F.	-	6 months from date of manufacture.

Application Guidelines

Application Equipment

Brush: No reduction necessary. Use stiff synthetic filament brushes. Do not over-brush as material may start to pull.

Cartridge Gun Dispenser: No reduction necessary. Use compatible power operated cartridge dispenser to apply product to intended substrate.

Mixing

No thinning or reduction is necessary. Do not dilute.

Surface Preparation

The substrate must be free of areas of ponding water, ice, snow, rain or dew, dirt, dust, grease, oil, loose granules, gravel, peeling coating and other foreign contaminants, or other debris that would inhibit adhesion of coating. If such conditions exist, the roof surfaces should be properly prepared and cleaned using the specified IB cleaning solution in order to receive the new coating system.

Mildew must be removed by power washing and scrubbing with a bleach solution of 1 part bleach and 2 parts water. Repeat if necessary. Rinse thoroughly and allow to dry.

Most substrates require a bond enhancing primer and/or a compatible base coat before applying the Coating. Contact IBRS Technical Department at 800-426-1626 for recommendations regarding specific applications.

Application

Fasteners: Tighten or replace all fasteners as necessary. In no case shall joints of seams be allowed to separate greater than 1/16 inch. Stitch screw any large gaps over overlaps that cause greater than 1/16 inch opening. Apply IB Sealer over the fastener to completely encapsulate the screw. Allow to dry for least 24 hours before proceeding with coating application.

IB Sealer

Moisture Cure Seam & Repair Sealant

Metal Panel Seams: Seal all horizontal and vertical seams, etc. by applying IB Sealer in a 1/2" - 3/4" wide bead over the seam and feather in with a stiff chip brush or notched spatula to an approximate width of 2" wide. Achieve a smooth 55 wet mil application over the treatment area. Allow to dry for least 24 – 72 hours before proceeding with coating application.

Metal Panel Roofs: Seal all flashings, penetrations, ridge caps, etc. by applying IB Sealer in a 3/4" - 1" wide bead over the seam and feather in with a stiff chip brush or notched spatula to an approximate width of 3" wide. Achieve a smooth 55 wet mil application over the treatment area. Allow to dry for least 24 hours before proceeding with coating application.

Aged Modified Bitumen: Seal all field seams by applying IB Sealer in a 3/4" - 1" wide bead over the seam and feather in with a chip brush to an approximate width of 3" wide. Achieve a smooth 55 wet mil application over the treatment area. Seal all flashings, penetrations, ridge caps, etc. by applying IB Sealer in a 3/4" - 1" wide bead over the seam and feather in with a chip brush to an approximate width of 3" wide. Achieve a smooth 55 wet mil application over the treatment area. Allow to dry for least 24 hours before proceeding with coating application.

Aged Single Ply: Seal all field seams by applying IB Sealer in a 1/2" - 3/4" wide bead over the seam and feather in with a chip brush to an approximate width of 2" wide. Achieve a smooth 55 wet mil application over the treatment area. Seal all flashings, penetrations, ridge caps, etc. by applying IB Sealer in a 1/2" - 3/4" wide bead over the seam and feather in with a chip brush to an approximate width of 2" wide. Achieve a smooth 55 wet mil application over the treatment area. Allow to dry for least 24 hours before proceeding with coating application.

Drying: Allow to dry for least 24 hours before proceeding with coating application.

Limitations

- Refer to Substrate Preparation guidelines for proper preparation, cleaning and primer roof with any applicable bond enhancing primer before commencing with application of IB Acrylic Coatings.
- This product cures by water evaporation only. Do not attempt to apply product when weather conditions are not conducive to drying. Refer to temperature and relative humidity precautions.
- Application of materials with power spray equipment will require some masking and erection of wind screens to prevent over spray occurrences and damage to surrounding structures, surfaces, vehicles, property, or persons.

Clean Up

Clean up spills and spatters immediately with a dry towel. Flush all hoses, equipment, and tools with containing uncured material by flushing with VM&P, naphtha, or mineral spirits followed by acetone to prevent unit from rusting.

Disposal

Empty containers must be disposed of in an approved landfill in accordance with local, state, and federal regulations.

Caution

Avoid prolonged and repeated contact with skin. Do not take internally. Avoid eye contact as this material has adhesive properties. Refer to product Safety Data Sheet (SDS) for additional information pertaining to this product and prior to use or handling.

Disclaimer

All values given are approximate and are subject to change without notice. There is no implied or express warranty given through these values or statements, nor are there any assertions that the product purchased has been individually tested to conform to these standards. Testing is performed on a random basis by "in-house" and independent "third party" evaluation for the purpose of classification and or approval. Acceptance, purchase, and selection of these products are the

sole responsibility of the buyer or buyer's representative. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to replacement of the product only.

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