Technical Data Sheet

ACFoam® HD Cover Board

IB Roof Systems®

Product Description:

ACFoam® HD Cover Board is a closed cell polyisocyanurate foam core integrally bonded to inorganic coated glass facers. Available in 0.5" thick 4' x 4' (1220 mm x 1220 mm) and 0.5" thick 4' x 8' (1220 mm x 2440 mm) panels.

Packaging:

ACFoam® HD Cover Board is shrink-wrapped, 42 pieces per bundle

Features:

- Coated Glass Facer
- High compressive strength polyiso (80psi, up to 110psi)
- Lightweight, easy to handle and cut
- Manufactured using CFC, HCFC, and HFC free foam blowing technology
- Zero Ozone Depletion Potential (ODP)
- Virtually no Global Warming Potential (GWP)*
- Resistant to mold growth based on independent testing according to UL2824
- Contains approximately 7.4% of recycled materials by weight
- Covered component under the IB Total Systems Warranty
- Can be used for mechanically attached, induction attached, fully adhered, or ballasted roof assemblies

Application:

ACFoam® HD Cover Board can be installed over approved substrates. Refer to IB Specifications and Construction Details for additional installation instructions.

Approvals:

- ASTM C1289, Type II, Class 4, Grade 1
- FM Standard 4450/4470 Approved
- FM 4473 rated SH-1 for Severe Hail
- 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

Thickness	[1]Avg. LTTR	Weight lb/sf	Recycled Content		
			Post	Pre	Total
0.5"	2.5	.50	-	7.4%	7.4%

[1]LTTR (long term thermal resistance) values were determined in accordance with CAN/ULC-S770-09. Test samples were third-party selected and tested by an accredited material testing laboratory. The LTTR results were reviewed by FM Global and certified by the PIMA Quality Mark Program.

Typical Physical Properties*		
Property	**Test Method**	**Result**
Dimensional Stability	ASTM D2126	< 0.5%
Compressive Strength	ASTM D1621	80 psi, 110 psi
Water Absorption	ASTM C209	< 3.0%
Water Vapor Transmission	ASTM E96	< 1.5 perm
Product Density	ASTM D1622	Nominal 2.0 pcf
Flame Spread	ASTM E84 (10 min.)	[1]40-60
Smoke Development	ASTM E84 (10 min.)	[1]50-170
Tensile Strength	ASTM D6123	> 2000 psf
Service Temperature		-100° to +250°F

[1]Numerical ratings are not intended to reflect performance under actual fire conditions. Flame spread index of ≤ 75 and smoke development ≤ 450 meet code requirements for foam plastic roof insulation. Codes exempt foam plastic insulation when used in FM 4450 or UL 1256.
* Physical properties shown are based on data obtained under controlled conditions and are subject to normal manufacturing tolerances.