ACFoam® Recover Board

Roof Recover Board Insulation

DESCRIPTION: Closed-cell polyisocyanurate (polyiso) foam core integrally bonded to inorganic coated glass facers. Available in 0.5", 0.75" & 1.0" thick 4ft x 8ft (1220mm x 2440mm) and 4ft x 4ft (1220mm x 1220mm) panels. Manufactured in accordance with **ASTM C1289, Type II, Class 2, Grade 2 (20 psi) or Grade 3 (25 psi) and CAN/ULC-S704 Type 2, Class 3 or Type 3, Class 3.**

ADVANTAGES: Inorganic coated glass facers and polyiso foam core provide an improved substrate for roofing membrane in recover applications. When using ACFoam® Recover Board in adhered systems, field testing has confirmed significantly more efficient use of solvent-based adhesives than with organic faced insulation. Adhesive application rates vary by manufacturer. Check adhesive manufacturer's recommendation for application rates. Manufactured using CFC-, HCFC- and HFC-free foam blowing technology with zero ozone depletion potential (ODP) and virtually no (negligible) global warming potential (GWP). This product has been validated by UL Environment as resistant to mold growth based on independent testing to UL 2824. ACFoam® Recover Board contains between 6.2% and 4.0% recycled materials by weight *(Atlas Technical Bulletin: TB-2).*

APPLICATION: Manufactured and tested for use in recover applications. ACFoam® Recover Board is used in built-up (BUR), modified bitumen, mechanically attached single-ply and adhered single-ply roofing systems. These roofing systems depend on proper installation for successful performance. Refer to FM Approvals® RoofNav and UL Online Certifications Directory for additional application details.

INSTALLATION: ACFoam® Recover Board shall be kept dry before, during and after installation. This product will burn if exposed to an ignition source of sufficient heat and intensity. Do not apply flame directly to ACFoam® Recover Board insulation. Refer to product packaging and *PIMA Technical Bulletin #109* for storage and handling recommendations. **An offset or staggered multi-layer application of ACFoam® is strongly recommended when the total insulation thickness exceeds 2.7"** *(Atlas Technical Bulletin: TB-5).* Typical field fastening requirements can be obtained from membrane system manufacturer or FM Global Property Loss Prevention Data Sheets 1-29.

Prior to installation, Atlas Roofing Corporation recommends that you consult your local building codes, contract documents, professional engineer, FM Global, Miami-Dade County and membrane manufacturer for additional installation guidelines as well as design enhancements.

PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	RESULTS
DIMENSIONAL STABILITY	ASTM D2126	< 2%
COMPRESSIVE STRENGTH	ASTM D1621	20 psi (140 kPa) or 25 psi (172 kPa)
WATER ABSORPTION	ASTM C209 & D2842	< 1.5%, < 3.5%
WATER VAPOR TRANSMISSION	ASTM E96	< 4.0 perm (228.8ng/ (Pa•s•m²))
PRODUCT DENSITY	ASTM D1622	Nominal 2.0 pcf (32.04 kg/m³)
FLAME SPREAD	ASTM E84 (10 min.)	[1]40-60
SMOKE DEVELOPMENT	ASTM E84 (10 min.)	[1]50-170
TENSILE STRENGTH	ASTM D1623	> 730 psf (35 kPa)
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 listed above are presented as typical average values as determined by accepted ASTM test methods and are subject to normal manufacturing variation.

THERMAL DATA

[2]LTTR VALUE	THICKNESS		[3]RSI	FLUTE SPANABILITY	
	in	mm		in	mm
2.9	0.50	12.7	0.51	N/A	N/A
4.3	0.75	19.1	0.76	N/A	N/A
5.7	1.00	25.4	1.00	N/A	N/A

[2]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. [3]RSI is the metric expression of R-value (m^2 • K/W).
** To minimize the effects of thermal bridging, Atlas strongly recommends the use of multiple layers when the total desired or specified R-value requires an insulation thickness greater than 2.7" thick.*

- **ASTM C1289, Type II, Class 2, Grade 2 (20 psi) or Grade 3 (25 psi)**
- **CAN/ULC-S704, Type 2, Class 3 or Type 3, Class 3**
- **CCMC No. 12423-L**
- **UL Certified for Canada –** Insulated Roof Deck Assemblies Construction No. C38 and 52. Meet CAN/ULC-S126, CAN/ULC-S101 and CAN/ULC-S107
- **UL Standard 790 (ASTM E108)** Roofing Systems Classification
- **UL 2824** resistant to mold growth as validated by UL Environment
- **FM Standard 4450/4470 Approved** Refer to FM Approvals® RoofNav for Specific System Details
- **IBC Chapter 26 & NBC** Sections on Foam Insulation
- **California State** Insulation Quality Standards and Title 25 Foam Flammability Criteria (License #T 1231)
- **Miami-Dade County Approved**
- **State of Florida Product Approval** (FL17989)
- **Has acheived GREENGUARD GOLD Certification**

PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS: UL.COM/GG UL 2818