



Poly ISO 2 CG

Coated Glass Polyisocyanurate Insulation

PRODUCT DATA SHEET

DESCRIPTION

Available in flat and tapered panels. Closed-cell polyisocyanurate (polyiso) foam core integrally bonded to inorganic coated glass facers (CGF) on both sides. Poly ISO 2 CG is offered in a variety of thicknesses (including tapered insulation), providing long-term thermal resistance (LTTR) values from 5.7 (4.3 for tapered) to 26.8. Flat Poly ISO 2 CG is available in 4' x 8' and 4' x 4' panels. Tapered Poly ISO 2 CG is available in 4' x 4' panels.

APPLICATIONS

Manufactured and tested for use in new and re-roofing applications. Poly ISO 2 CG roof insulation shall be installed over the roof deck. Poly ISO 2 CG is used in built-up (BUR), modified bitumen, standing seam metal, ballasted single-ply, mechanically attached single-ply and adhered single-ply roofing systems.

INSTALLATION

ISO 2 CG 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 ISO 2 CG insulation. To minimize the effect of thermal bridging, and the impact of moisture/airflow into the roof system, MuleHide recommends the Poly ISO 2 CG be installed in multiple layers.

Prior to installation, MuleHide recommends, as applicable, you consult with your local building code official(s), contract documents, design professional, and all other relevant parties to ensure appropriate compliance.

CODE APPROVALS/COMPLIANCE

Poly ISO 2 CG complies with the requirements of the following specifications, test and code requirements when properly installed:

- ASTM C1289 Type II, Class 2, Grade 2 (20 psi) or Grade 3 (25 psi)
- UL 1256 Classification Construction No. 120, 123 & 292
- UL 790 (ASTM E108) Roofing Systems Classification
- UL 263 (ASTM E119) Fire Resistance Classification
- FM 4450/4470 Refer to FM Approvals® RoofNav for Specific System Details
- GREENGUARD GOLD Certified
- UL 2824 Resistant to Mold Growth as Validated by UL Environment

PROTECTION & SAFETY

MuleHide maintains safety data sheets on all of its non-exempt products. Safety data sheets contain health and safety information for your development of appropriate product handling procedures to protect your employees and customers. MuleHide's safety data sheets should be read and understood by all of your supervisory personnel and employees before using MuleHide products in your facilities.

TYPICAL PHYSICAL PROPERTIES

Property	Test Method	Typical Result
Dimensional Stability	ASTM D2126	< 2%
Compressive Strength	ASTM D1621	20 PSI (140 kPa) 25 PSI (172 kPa)
Water Absorption	ASTM C209 ASTM C1763 ASTM D2842	< 1.5% < 1.5% < 3.5%
Water Vapor Transmission	ASTM E96	< 4.0 perm (228.8ng/Pa s m ²)
Product Density	ASTM D1622	Nominal 2.0 pcf (32.04 kg/m ³)
Flame Spread	ASTM E84	*40-60
Smoke Development	ASTM E84	*50-170
Tensile Strength	ASTM D1623	> 730 psf (35 kPa)
Service Temperature	-	-100° to +250°F

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. Physical properties listed above are presented as typical average values as determined by referenced ASTM test methods and are subject to nominal manufacturing variations.

TYPICAL PHYSICAL PROPERTIES (CONTINUED)

Nominal Thickness*	(mm)	LTTR R-Value	C-Value	Metal Deck Max. Flute
1.0	25	5.7	.175	2-5/8
1.5	38	8.6	.116	4-3/8
1.8	46	10.3	.097	4-3/8
2.0	51	11.4	.088	4-3/8
2.5	64	14.4	.069	4-3/8
2.6	66	15.0	.067	4-3/8
3.0	76	17.4	.057	4-3/8
3.5	89	20.5	.049	4-3/8
3.8	97	22.3	.045	4-3/8
4.0	102	23.6	.042	4-3/8
4.3	109	25.5	.039	4-3/8
4.5	114	26.8	.037	4-3/8

Long Term Thermal Resistance Values are based on ASTM C1289 (revised Jan-2014) and CAN/ULC S770 which provides for a 15-year time weighted average.

*Other thicknesses available upon special request.

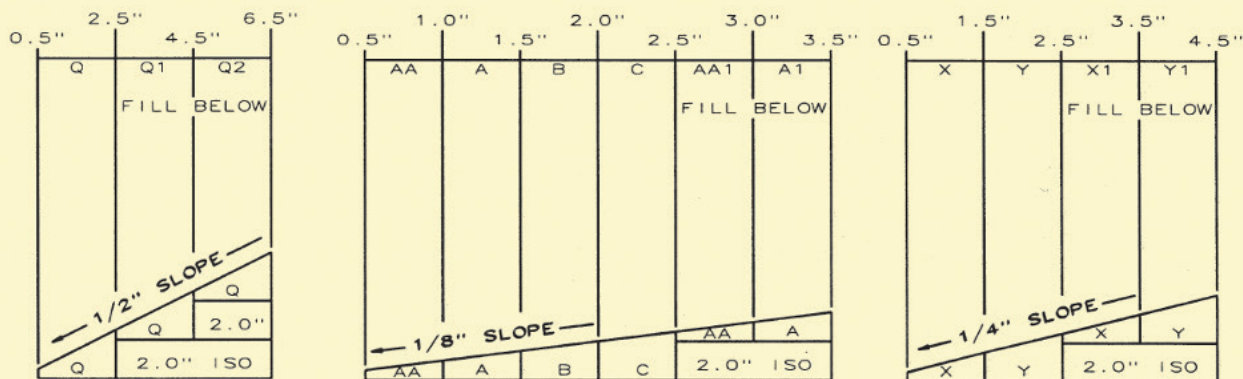


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PROFILES



ADDITIONAL INFORMATION

The information given on this PDS is subject to change without notice. Always check the MuleHide website at www.mulehide.com for the latest information, changes and updates or contact MuleHide at 800-786-1492.

DISCLAIMER

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