



STRONG-R

STRUCTURAL POLYISO



ISO RED MAX STRONG-R is a first-of-its-kind commercial rigid polyiso insulation that employs a structural back facer to add rigidity to commercial curtain walls or other E84 Class A polyiso applications. In one installation step (and only 1-1/4" of thickness), provide:

- Thermal barrier (R-7.5)
- Vapor barrier
- Moisture barrier or WRB (w/ sheathing tape)
- Structural reinforcement

ISO RED MAX STRONG-R is a rigid polyiso insulation that complies with ASTM E84 Class A material. ISO RED MAX also has ASTM E-119, NFPA 285, and NFPA 286 qualifications.



R-value	Overall Thickness	Width	Lengths
7.5	1-1/4"	4ft	8ft, 9ft, 10ft

Physical Properties of ISO RED MAX STRONG-R Polyiso Sheathings ⁽³⁾

ASTM Method	D1621	C209	E96	D2126 (1)	D2126		E84 (2)	
	Minimum Comprehensive Strength, psi	Water Absorption	Water Vapor Transmission, perms	Dimensional Stability % Change	Nominal Density, pcf	Service Temperature Range, F	Flame Spread	Smoke Developed
ISO RED MAX Type 1 class 2	25	<0.06	<0.3	<0.2	2.0	-50 to +250	≤25	≤ 450

(1) -40 and 200 degrees F, ambient RH, length & width (2) Fire Performance/Surface Burn Characteristics (3) Proprietary polyiso rigid board facers on both sides

Attributes:

- 7.5 R-value to meet energy code requirements cost efficiently
- Foil front and rear ISO facers for long-term R-value
- 1/8" laminated fibrous structural back facer with extruded poly surface to add rigidity to curtain walls and in turn, the exterior cladding.
- Closed cell polyiso foam for best in class R-value and moisture resistance including WRB code compliance
- Fiberglass reinforced foam core

OX ISO RED MAX STRONG-R Installation

1. Store ISO RED MAX STRONG-R inside or protected from precipitation and standing water.
2. Measure and cut boards with a saw. No allowance for expansion or contraction of ISO RED MAX STRONG-R is necessary
3. Fasten to metal studs with No. 8-18 x 1-1/2" Phillips modified truss head self-drilling screws (or equal) 6" at the edges and 12" in the field. Reduce fastener spacing for added wall rigidity.
4. Finish edges and seams with 2 1/2" nominal width 3M[®] Venture1520CW Aluminum Foil Tape or equivalent.
5. Flashing tape: 3M[®] 8067 All Weather Flashing Tape

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