



# 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 <sup>(3)</sup>								
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 2.43" wide (min) 3M Venture 1520CW Aluminum Foil Tape or equivalent.

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