



**OX Engineered Products**  
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**OX-IS**<sup>™</sup>  
structural insulation by **OX**

## Continuous structural insulation. We're continuously committed to it.

OX-IS is the all in one product that allows you to meet building code requirements for structural sheathing, continuous insulation, weather and air resistive barrier performance.

Made in USA 

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### **Structural Support**

Structural lateral bracing and traverse wind load resistance.

### **Water Barrier**

Code-approved water resistive barrier.

### **Air Barrier**

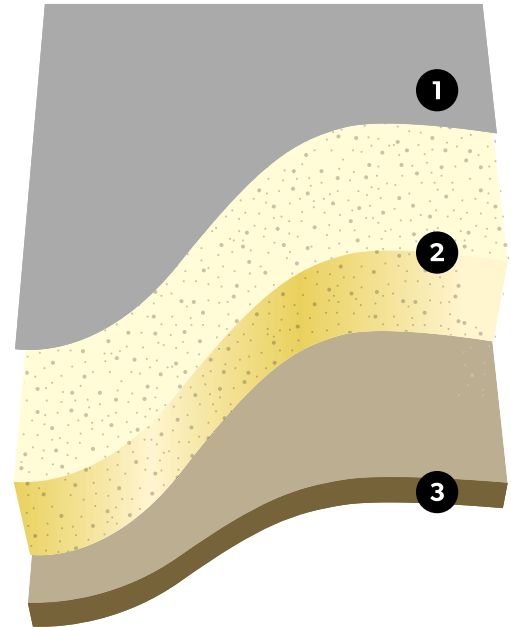
Best in class air barrier performance.

### **Insulation**

Best-in-class R-value per inch.

## 4-in-1 sheathing that's second to none.

OX-IS™ insulated sheathing starts with a non-reflective resilient exterior facer that provides water resistance and high durability. The closed-cell, moisture-resistant polyisocyanurate foam core provides high compressive strength, a long-term R-value and a continuous air barrier. And a thin, high-pressure laminated member provides even more structural support. Put it all together and you get the highest possible performance from your structural sheathing.



### Physical Properties of OX-IS (foam properties) Complies with ASTM C1289, Type 1, Class 1

ASTM Method	D1621	C203	C209	E96	D2126 <sup>(1)</sup>			E84 <sup>(2)</sup>	
	Minimum Comprehensive Strength, PSI	Flexible Strength, PSI	Water Absorption	Water Vapor Transmission, perms	Dimensional Stability % Change	Nominal Density, pcf	Service Temperature Range, F	Flame Spread	Smoke Deployed
OX-IS	25	40	<0.06	<0.3	<0.4	2.0	-50 to +190	≤ 75	≤ 450

(1) -40 and 200 degrees F, ambient RH, length & width

For more detail refer to technical evaluation reports on our website: [oxengineeredproducts.com](http://oxengineeredproducts.com)

**Thermal R-Values** <sup>(1)</sup> | "R" means resistance to heat flow. The higher the R-value, the greater the insulating value.

Thickness (nom.), in	Thermal R-Value
0.50	3.0
1.00	6.0

(1) Thermal values are determined by using ASTM c518 test method at 75 degrees mean temperature.  
Sizes width and length: 4'x8', 4'x9', 4'x10'

**THERMAL IMAGE OF A STRUCTURE BUILT WITHOUT INSULATED SHEATHING**



*Without continuous insulation, heat loss through framing (thermal bridging) is significant.*

**THERMAL IMAGE OF THE SAME STRUCTURE BUILT WITH 1/2" (R-3) OF CONTINUOUS INSULATION**



*1/2" of continuous insulation greatly reduces heat loss through wall framing and improves on cavity performance.*



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## Installation Instructions

### Orientation of Panels

- Orient panels so that the product print faces outward
- For structural use, all panel edges/seams must be fastened and backed by framing
- For non-structural uses, all edges do not need to be backed
- Cut panels with standard circular saw

### Orientation of Panels (Combined w/ Std. foam sheathing)

- Use OX-IS™ Structural Insulation in areas where bracing is required
- Supplement remaining wall with nonstructural foam sheathing such as OX ISO RED CI™ Polyiso Foam Sheathing

### Fastening

- Fasten OX-IS™ every 3" around perimeter and 6" in the field of the board. Minimum embedment of 1" into framing. Counter sinking into foam is acceptable:
  - 7/16" to 1" crown, 16 gauge staple
  - 0.113" (min) diameter nail (roofing nail)
- For metal studs: No. 8-18 × 1-1/4 Phillips modified truss head self-drilling screws

### Taping

- Center the tape over the joints/seams
- When taping joints, use shingle fashion technique
- Install tape per manufacturer's instructions on clean/dry surface
- Best practice for interior and exterior corners is to use flashing tapes to fully cover the joints/seams.
- Building wrap is not required to meet WRB requirements if all joints are taped
- OX approved (or equivalents) tapes:
  - Seam tape: 3M™ 8087CW 2 1/2" nominal width
  - Flashing tape: 3M™ 8067 All Weather Flashing Tape



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