



**OX Engineered Products**  
22260 Haggerty Road Suite 365  
Northville, MI 48167  
p. 1.800.345.8881  
f. 248.289.9955  
[oxep.com](http://oxep.com)



**OX-IS™**

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.

Now with a 30 year limited system warranty\*

Made in USA 

#### **Structural Support**

Structural lateral  
bracing and traverse  
wind load resistance.

#### **Water Barrier**

Code-approved  
water resistive  
barrier.

#### **Air Barrier**

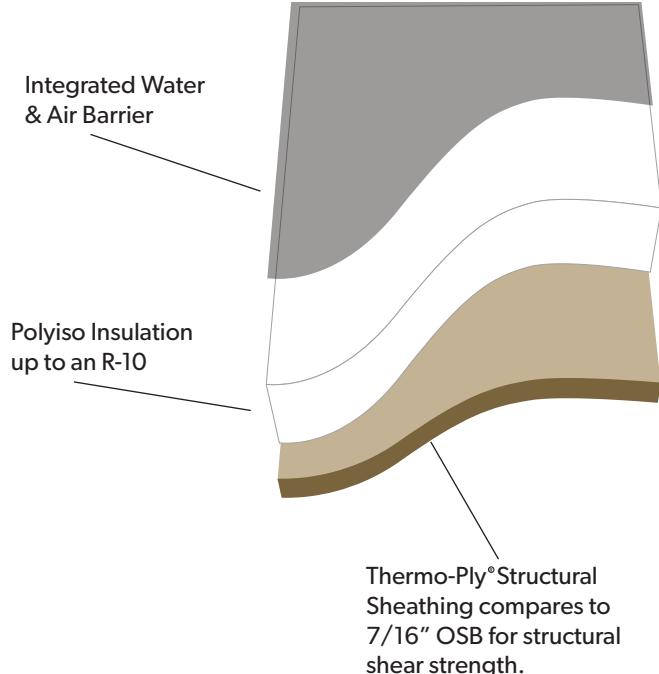
Best-in-class air  
barrier  
performance.

#### **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>		E2273		E84 <sup>(2)</sup>	
	Minimum Comprised Strength, PSI	Flexible Strength, PSI	Water Absorption	Water Vapor Transmission, perms	Dimensional Stability % Change	Nominal Density, pcf	Service Temperature Range, F	Drainage Efficiency	Flame Spread	Smoke Developed
OX-IS	25	40	<0.06	<0.3	<0.4	2.0	-50 to +190	93%	≤ 75	≤ 450

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

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

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

Thickness (nom.), in	Thermal R-Value	System R-Value (2)
0.50	3.0	4.1
0.50 HS (High Shear)	3.0	4.1
1.00	6.0	7.1
1.70	10.0	11.1

(1) Thermal values are determined by using ASTM c518 test method at 50 degrees mean temperature.

Sizes width and length: 4'x8', 4'x9', 4'x10'

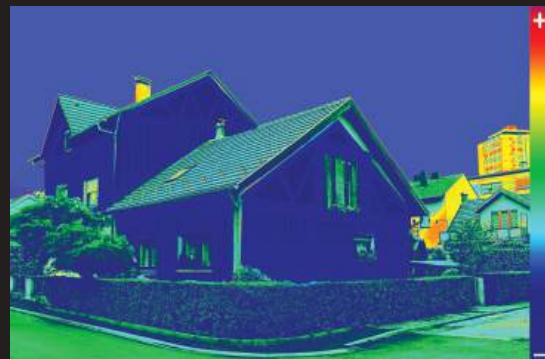
(2) System R-value refers to additional effective R-value possible due to emissivity performance of reflective surface. According to ASHRAE, the reflective foil facing of OX-IS qualifies to add R-value to a properly detailed assembly, which includes an adjacent, 1/2" dead air space.

**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.*





Performance to the Core

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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)

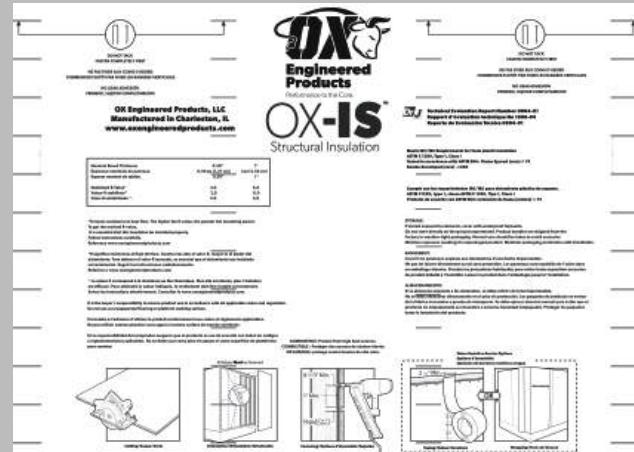
- Use OX-IS™ Structural Insulation in areas where bracing is required
- Supplement remaining wall with nonstructural foam sheathing such as OX ISO RED CL™ Polyiso Foam Sheathing

### Fastening

- For structural applications fasten OX-IS™ every 3" around perimeter and 3" in the field of the board. For non-structural applications fasten OX-IS™ every 3" around the 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 x 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
- Approved tapes include Ox Butyl™ Flashing and a minimum 2.5" OX™ seam tape.



To review the full installation instructions visit: [www.oxep.com](http://www.oxep.com)

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