



isoREDci[®]

polyiso continuous insulation

INSULATE AND WEATHERIZE.
ALL IN ONE.

Continuous Insulation (CI) +
Air Barrier (AB) +
Water Resistive Barrier (WRB)



WHAT IS OX ISORED CI® POLYISO INSULATION?

OX IsoRED CI sheathing boards feature best-in-class rigid closed-cell polyisocyanurate foam insulation and durable water-resistant facers. When installed as continuous insulation, with all seams and penetrations taped using OX Seam Tape and OX Butyl Flashing Tape, OX IsoRED CI additionally provides a best-in-class air barrier (AB) and water-resistive barrier (WRB), backed by a 30-year limited warranty.

Standard width: 48"

Lengths: 8', 9', 10'

Custom lengths available

APPLICATIONS

Use OX IsoRED CI to add R-value, meet code, and enhance comfort to residential and light commercial structures. The product can be affixed to wood, metal, masonry, or concrete for use in:

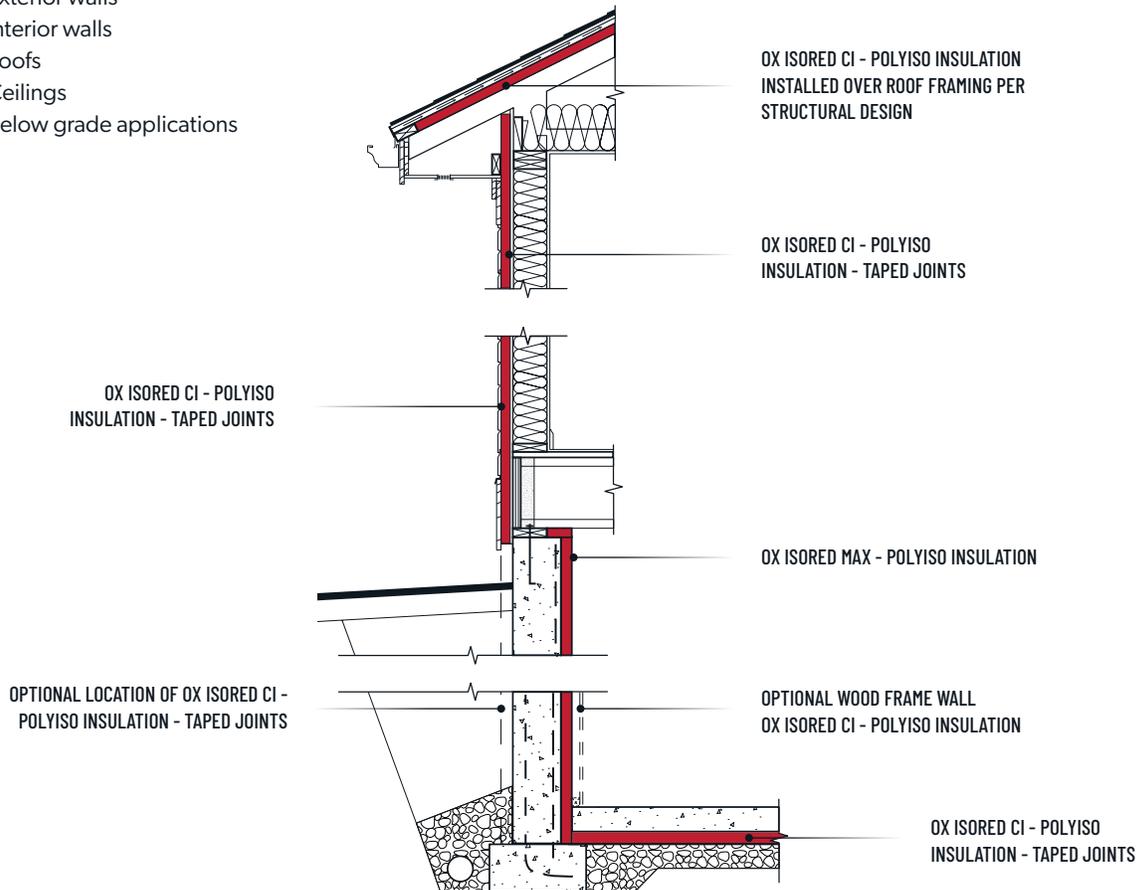
- Exterior walls
- Interior walls
- Roofs
- Ceilings
- Below grade applications

POLYISO FOAM CORE
(Complies with ASTM
C1289, Type 1, Class 1)

COATED FACER



30
YEAR
LIMITED WARRANTY



THERMAL IMAGE OF A HOME BUILT WITHOUT CI.

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



SAME HOME WITH CI.

½" of OX IsoRED CI continuous insulation greatly reduces heat loss through wall framing.



THERMAL R-VALUES

Thickness	0.50	.625	0.75	1.00	1.55	2.00
Thermal R-Value ¹	3.3	4.0	5.0	6.5	10.0	13.0
System R-Value ²	6.1	6.8	7.8	9.3	13.6	15.8

¹Thermal value is determined by using ASTM C518 test method at 50° F mean temperature.

²System R-value refers to additional effective R-value possible due to emissivity performance of reflective surface. According to ASHRAE, the reflective foil facing IsoRED CI qualifies for adding R-value to a properly detailed assembly, which includes an adjacent ¾" dead air space.

PHYSICAL PROPERTIES

ASTM Method	D1621	C209	E96	D2126 ³	D2126	E2273	E84 ⁵		
	Minimum Comprised Strength, PSI	Water Absorption	Water Vapor Transmission, perms	Dimensional Stability % Change	Nominal Density, pcf	Service Temperature Range, °F	Drainage Efficiency	Flame Spread	Smoke Developed ⁴
IsoRED CI Type 1, Class 1	25	<0.06	<0.3	<0.4	2.0	-50 to +250	93%	≤ 75	≤ 450

³-40 and 200° F, ambient RH, length & width.

⁴Fire Performance/Surface Burn Characteristics.

⁵Proprietary polyiso rigid board facers on both sides.

FASTENER METHODS

APPLICATION	STUD SPACING	ATTACHMENT METHOD	FASTENER SPACING ⁶
Wood Framing	16" or 24"	Capped nails, staples, or roofing nails (~1" framing embedment)	12" perimeter 12" field Fastener heads flush with surface
Metal Framing	16" or 24"	Corrosion-resistant self-tapping screws with 1" diameter cap or washer (¼" framing embedment)	12" perimeter 12" field Fastener heads flush with surface
Interior Masonry or Concrete	N/A	Suitable construction adhesive or masonry fasteners with 1" diameter cap or washer or combination of adhesive and mechanical fasteners (~1" embedment into substrate)	Adhesive beads spaced 16" horizontally or full perimeter. Mechanical fasteners 12" perimeter and 12" field spaced 16" horizontally or combination of adhesive and minimum fasteners to hold until adhesive sets.
Exterior Masonry or Concrete Below Grade	N/A	Granular water-draining fill	Only as required to ensure intimate contact to masonry surface or water proofed surface

⁶Refer to project engineer for potential fastener spacing variation.

POLYISO GRADES & AVAILABLE FACERS

GRADE	FRONT FACER	BACK FACER	SEAM FINISH OPTIONS
IsoRED CI (E84: Class B)	3-ply P/K/F	3-ply P/K/F	OX Seam Tape
IsoRED CI FF (E84: Class B)	2-ply F/K	2-ply F/K	OX Seam Tape
IsoRED CI XS (E84: Class B)	XS 3-ply P/K/F ⁷	3-ply P/K/F	OX Seam Tape
IsoRED MAX (E84: Class A) Approved for exposed installations	0.9 mil foil	0.9 mil foil	OX Seam Tape

⁷IsoRED CI XS has a facer 4 times thicker than standard IsoRED CI.

For water-resistive barrier installations, tape all seams with minimum 2½" wide OX Seam Tape or equivalent. 4" wide self-adhered flashing tape meeting AAMA 711 (OX Butyl Flashing Tape) with release liner may be required for effectively taping of inside and outside corners.

Flash all openings and penetrations with self-adhered flashing tape meeting AAMA 711 (OX Butyl Flashing Tape).

STORAGE

Normal care should be taken to avoid excessive moisture exposure (soaking) to unpackaged product. Maintain packaging protection until installation. Once removed from the protective bundle covering and installed on the wall frame, IsoRED CI can remain installed exposed to elements.

**OX ISORED CI® POLYISO SHEATHING SIGNIFICANTLY BOOSTS
THE R-VALUE AND MOISTURE PROTECTION OF RESIDENTIAL
AND LIGHT COMMERCIAL STRUCTURES FOR GREATER ENERGY
EFFICIENCY AND ENHANCED OCCUPANT COMFORT.**

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MADE IN THE USA



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