



Engineered Products

Performance to the Core

Performance at the highest levels. It's easier said than done.



OX creates truly innovative products that are built to perform inside and out. While others might rewrap, rebrand, or repackage ideas, we're reimagining what building products can do. Constantly asking "Why?"

Why can't sheathing provide insulation in addition to strength?

Why can't being eco-friendly also be friendly to your bottom line?

Why can't you cut your installation time without cutting corners?

Why can't the best products be stably and competitively priced?

We're unafraid to ask questions. Because questions get us answers to the problems builders face every day. Better buildings and better building products go hand-in-hand. At OX, we believe that to the core.

Performance to the Core.

table of **CONTENTS**

pg 5

OX-IS

structural insulation

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.

pg 7

isoREDci

polyiso sheathing

IsoRED CI is a rigid polyiso insulation for residential and light commercial applications that helps you achieve best-in class R-values and the ultimate in energy efficiency.

pg 9

thermoPLY

structural sheathing

The stable pricing, lightweight design, water resistance and best-in-class air barrier make ThermoPly structural sheathing a high-performance alternative to OSB.

pg 11

TITAN

drainage wrap

Titan Drainage Wrap is an advanced non-woven, non perforated housewrap and air-barrier material that has been engineered as a drainage material to provide superior performance while exceeding the most stringent criteria for the thermal building envelope.

pg 6

strong-R

structural insulation

Our commercial-grade 4-in-1 structural insulated sheathing installs fast, saving you time and money while providing best-in-class energy efficiency, moisture resistance and fire performance.

pg 8

isoREDMAX

polyiso sheathing

IsoRed Max is our line of rigid polyiso insulation with multiple facer options that adds thermal insulation to commercial curtain walls or other E84 Class A polyiso applications.

iso**REDMAX**
WF

iso**REDMAX**
LD

iso**REDMAX**
HD

iso**REDMAX**
GF

pg 10

homeGUARD

housewrap

HomeGuard Housewrap offers superior strength that can stand up to harsh weather and even harsher jobsites providing the best-in-class air and moisture barrier.

pg 12

OX Shield

surface protection

Ox Shield is designed to provide temporary surface protection in the construction industry. This heavy-duty, high strength cellulosic fiber board is engineered to protect new and existing floors and surfaces from the demands of the jobsite.

tough**SKIN**[®]

roof underlayment

ToughSkin's Slip Safe technology makes installation easier, and more importantly, safer than the standard felt underlayment.

tough**SKIN**_{HT}[®]

ice & water guard™

This technology allows for a superior adhesion over a large range of temperatures, including high temperature applications such as metal roof systems.

Ox[®]Self-Adhesive **Flashing Tape** Family

Ox[®] provides various self-adhesive flashing tapes that prevent moisture intrusion for a variety of through-wall penetrations. Our line features solutions to the toughest installation challenges and offers the right product to meet your needs. Our flashing tapes are designed with a wide range of application temperature ranges from freezing temperatures to extreme heat.

seam**TAPE**

sheathing tape by **OX**

Ox[®] offers seam tapes for both residential and commercial construction. They are designed for use as a closure system and vapor seal on all interior and exterior sheathing materials. Ox[®] Seam Tapes exceed most building code requirements and can be used for new construction as well as repair on all vapor barrier materials.



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.

Structural Support

Structural lateral bracing and traverse wind load resistance.

Water Barrier

Code-approved water resistive barrier.

Air Barrier

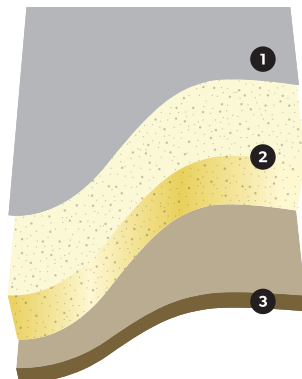
Best in class air barrier performance.

Insulation

Best-in-class R-value per inch.

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

OX 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.



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 insulated sheathing.

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



isoREDMAX
strong-R
polyiso sheathing by **OX**

When it comes to commercial installation, we mean business.

Our commercial-grade 4-in-1 structural insulated sheathing installs fast, saving you time and money while providing best-in-class energy efficiency, moisture resistance and fire performance.

4-in-1

Insulation, structural reinforcement, air and moisture barrier in one.

Continuous Insulation

Provides best in class R-value.

Easy to Install

Lightweight design for fast, easy installation.

Three layers of protection. Yeah, we're the over-protective type.

STRONG-R is the ultimate in performance and protection to shield commercial buildings from the outside elements—heat, cold, air and moisture. The continuous wall insulation covers gaps in traditional building insulation, to increase energy efficiency in the long term. And the lightweight design compared to other sheathing products makes installation efficient, saving you time and money.

Attributes

- Closed cell polyiso foam with foil front and rear facers and fiber glass foam core for best in class R-value and moisture resistance including WRB code compliance.
- Multiple design thickness to meet energy code requirements, cost efficiently.
- Structural component equivalent to lateral shear properties of WSP.
- Complies with ASTM E84, ASTM E119 and NFPA 285 assemblies



isoREDci.
polyiso sheathing by **OX**

IsoRED can help you stay in the black.

IsoRED CI is a rigid polyiso insulation used in residential and light commercial applications to achieve best-in class R-values and the ultimate in energy efficiency.

Energy Efficiency

Easily add R-value and eliminate insulation gaps.

Multiple Applications

Use it on interior walls, exterior walls, ceilings and sub-terrain applications

Easy to Install

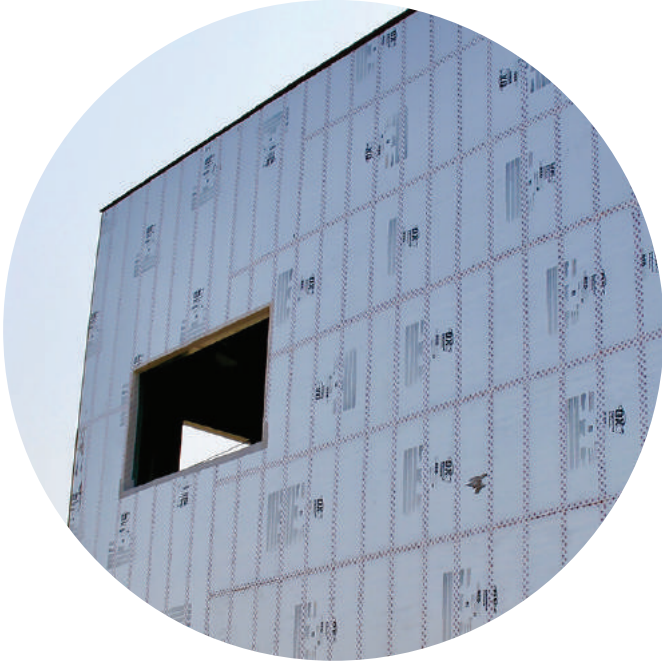
Light panels go up fast, saving time and money.

Open up to the idea of closed cell polyiso technology.

IsoRED CI is a rigid polyiso insulation that can add much needed R-value for residential and light commercial applications. With the ability to be affixed to wood, metal, masonry and concrete, IsoRED CI can be used for practically any job to increase energy efficiency in ceilings, interior walls and exterior walls. Additionally, water-resistant facers provide a first line of defense against moisture intrusion.

Attributes

- Best-in-class long term R-value performance.
- Provides thermal, air and vapor control layers to help keep conditioned spaces comfortable.
- 25 psi compressive strength equates to 3600 psf soil pressure.
- Resilient facer technology with closed cell foam core allows for a code compliant, weather-resistant barrier.
- Closed cell polyiso foam provides superior fastener seal-ability that building wraps do not.
- ASTM E84 Class B Certified



isoREDMAX[®]

polyiso sheathing by **OX**

Take your energy efficiency to the max.

IsoRed Max is our line of rigid polyiso insulation with multiple facer options that adds thermal insulation to commercial curtain walls or other E84 Class A polyiso applications.

isoREDMAX
HD
polyiso sheathing by **OX**

isoREDMAX
LD
polyiso sheathing by **OX**

isoREDMAX
GF
polyiso sheathing by **OX**

isoREDMAX
WF
polyiso sheathing by **OX**

Energy Efficiency

Easily add R-value and eliminate insulation gaps.

Multiple Applications

Use it on interior walls, exterior walls, ceilings and sub-terrain applications.

Easy to Install

Light panels go up fast, saving time and money.

Make your next job a commercial success.

isoRed Max is our line of rigid polyiso insulation with multiple facer options that adds thermal insulation to commercial curtain walls or other E84 Class A polyiso applications.

Use IsoRed Max for exterior walls, interior walls and ceilings to achieve best-in-class R-values and a weather-resistant barrier. It's good for building owners. It's good for the planet. And the easy installation is good for you.

Attributes

- High R-values, as much as R-6.5 per inch. Thicknesses up to 4 inches, and lengths to 30' (dependent on thickness)
- Vapor barrier performance with closed cell foam structure to stop vapor drive for any climate
- Fiberglass reinforced foam core for durability on the jobsite and beyond.
- Optional embossed WHITE thermoset finished aluminum front facer for light reflectance, aesthetics, and durability.
- ASTM E84 Class A certified



thermoPLY®

structural sheathing by **OX**

Higher Performance Not Higher Prices.

The stable pricing, lightweight design, water resistance and best-in-class air barrier make ThermoPLY structural sheathing a high-performance alternative to OSB.

Easy to Install

The lightweight design allows for individual installation.

Air Barrier

Best in class air barrier performance.

Water Barrier

Code approved water resistive barrier.

IRC & IBC Compliant

Meets lateral shear resistance requirements for Type V light frame construction.

Do you want it done right or fast? Yes.

When you're sheathing a building you want the job done right. But you also want it done fast. With ThermoPLY, the lightweight design allows you to work quickly while the high-strength cellulosic fiber boards provide durability, moisture resistance and a best-in-class air barrier for years to come.

- A protective polymer layer is applied on both sides and foil facings may also be applied on one or both sides.
- Factory-extrusion coating for built-in Water Resistive Barrier with 3/4" (min.) overlapped or tapped joints.
- Advanced Moisture Guard option provides adhesive with 3/4" overlap panel joints for even tighter water and air barrier performance.
- Exterior Wall Sheathing & Bracing, and Interior Shearwall Bracing.

Thermo-Ply® Grades

*AMG-Advanced Moisture Guard

GREEN/GREEN AMG
Light Structural Grade
.078" thickness,
290 lbs/MSF
400 sheets per skid

RED/RED AMG
Standard Structural Grade
0.113" thickness,
414 lbs/MSF
300 sheets per skid

BLUE/BLUE AMG
High Structural Grade
0.135" thickness,
504 lbs/MSF
250 sheets per skid

THERMO-PLY OPTIONS: ALL AVAILABLE ON ALL GRADES

- 48" or 48-3/4" widths at no MSF up-charge
- 49" width for AMG.
- 8', 9' or 10' lengths at no MSF up-charge.
- Custom lengths up to 14' available.

home**GUARD**[®]

housewrap by **OX**

Air, water and complaint resistant.

Protecting you from the harsh elements of mother nature, HomeGuard[®] housewrap excels in air and water resistance, moisture vapor permeability and durability. HomeGuard[®] housewrap is an engineered, woven, polyolefin material designed for use as a secondary weather resistive barrier.

The strong woven fabric ensures jobsite durability, even in the harshest conditions. HomeGuard's[®] micro-perforations allow damaging moisture as a vapor to escape while shedding bulk water.



Air Resistive Barrier

Protects the wall assembly from air infiltration to increase the comfort of the building by reducing drafts and increasing energy efficiency.

Water Resistive Barrier

Protects the wall assembly against water intrusion that gets behind the exterior cladding.

Moisture Vapor Permeability

Preserves the integrity of the wall assembly by allowing the moisture as vapor to escape to the outside.

Build your business with Custom Imprinting on HomeGuard Housewrap

Imprint your company logo -- only one pallet minimum.

Largest exposure area -- 40" x 30"

Many color are available.

Short lead times -- 3 to 4 weeks on initial order, 2 weeks on reorders.

Logo repeats every 48" in center lane

Available on 9' and 10' wide material

Attributes

- Excels in air and water resistance, moisture vapor permeability and durability.
- High strength microperforated woven polyolefin housewrap with 6 Month UV Resistance
- Surpassed the ICC-ES AC308 test requirement of ten minutes when tested according to ASTM D 779.
- The strong woven fabric ensures jobsite durability even in the harshest conditions.
- Micro-perforations allow damaging moisture as a vapor to escape while shedding bulk water.



The smart solution behind exterior claddings for commercial and residential construction

TITAN Drainage Wrap is an advanced non-woven, non-perforated, Housewrap & Air Barrier material that has been engineered as a drainage material to provide superior performance while exceeding the most stringent criteria for the Building Thermal Envelope.

Air Resistive Barrier

Certified Air Barrier Material which exceeds ASTM E-2178 minimum requirements.

Water Resistive Barrier

Water resistive barrier exceeds AATCC-127 Water Head Test

Ease of Installation

Outstanding nail tear resistance, premium tear strength, and superior building envelope protection

Drainage Efficiency

Certified Drainage material exceeds ASTM E-2273 performance requirements.

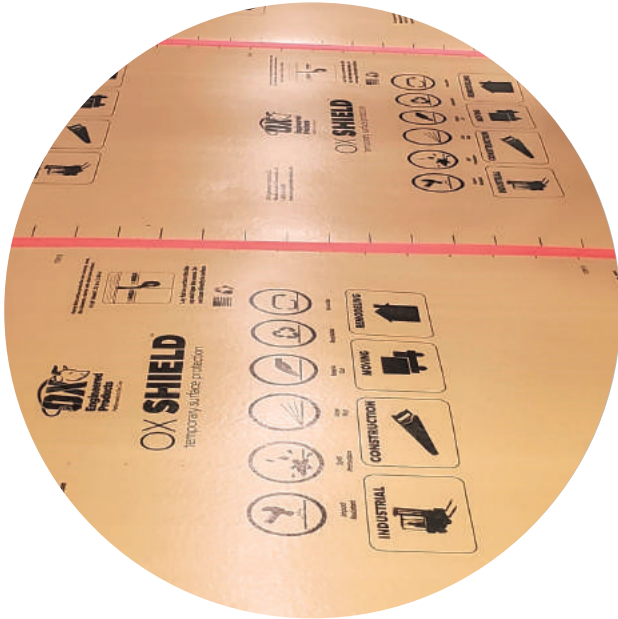
Low costs. High standards.

A healthy building starts with having the right housewrap. Titan Drainage Wrap is a high-quality, low cost solution for preventing air leakage, controlling drafts, improving indoor air quality and protecting walls from air and moisture intrusions. Titan's non-woven, non perforated design offers an even higher level of durability for tough jobsites and the harshest weather conditions.

Attributes

- Excels in air and water resistance, drainage requirements and durability.
- Greater tear resistance and strength than competitive products.
- Class A flame spread rating ASTM E-84
- Smart solution behind exterior cladding for commercial and residential construction; EIFS and stucco, cement, hardboard, vinyl, wood sidings, brick and stone veneer

**please remember to install all housewraps in accordance with proper building codes*



OX SHIELD

surface protection by **OX**

Protect your surfaces on the jobsite.

Temporary surface protection is ideal for protecting new and existing surfaces on your jobsite.

Impact Resistant

Protects your surface with unmatched strength

Spill Protection

Provides protection against water, paint, mud and more.

Lays Flat

Provides a level working surface on almost any floor surface.

Easy to Cut

Cuts easily using a utility knife or other common cutting tool.

Recyclable

Contains 95% recycled content and can be recycled after use.

Reusable

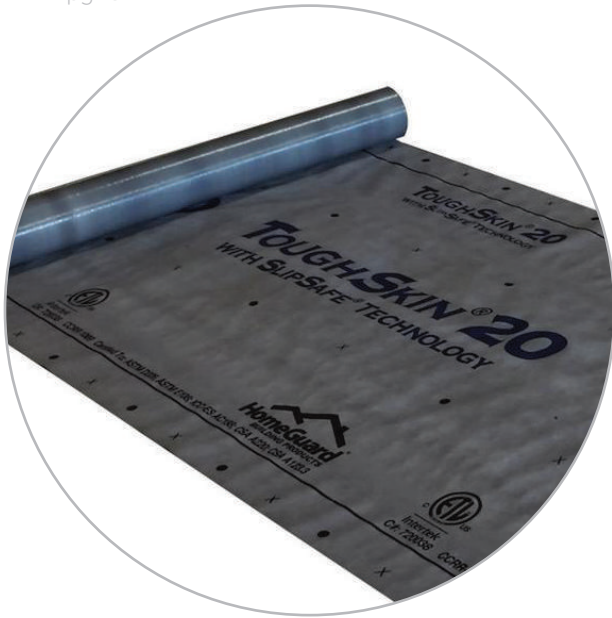
Can be packed up and reused on multiple jobs.

Protect your floors during construction.

Ox Shield is designed to provide temporary surface protection in the construction industry. This heavy-duty, high strength cellulosic fiber board is engineered to protect new and existing floors and surfaces from the demands of the jobsite. Ox Shield is easy to install and is reusable making it ideal for your next build. It's the perfect solution when protecting new or existing concrete, wood, tile, stone, linoleum, epoxy and most other surfaces.

Attributes

- Ideal for use in industrial, construction, moving and remodeling jobsites.
- Reusable and recyclable
- Easy to cut simply using any common cutting tool.
- Spill protection against mud, water, paint and many other substances.
- Impact resistant products your surface against dents from dropped tools and other construction hazards.
- 4'x8' sheets weigh approximately 13lbs per sheet.



toughSKIN[®]

roof underlayment by **OX**

Up on a roof, there are no minor slip-ups.

ToughSkin's SlipSafe technology makes installing roof underlayment easier, and more importantly, safer. A roof that lasts for decades starts with a high-quality underlayment. ToughSkin is engineered to work better for both contractors and their customers than traditional felt underlayment. Our innovative SlipSafe technology makes for a safer surface to work on while lighter, wider rolls makes installation faster. Four layers of protection are made to stand up to years of the harshest weather conditions.

Safe for Builders

The SlipSafe surface helps you work safer and faster.

Durable

Four layers of protection mean fewer blowoffs, repairs and callbacks.

Easy to Install

Wider, lighter sheets than standard felt underlayment.

Custom Logo

Brand your jobs by putting your logo on your ToughSkin product.



toughSKIN^{HT}

ice & water guard™ by **OX**

With Slipsafe[®] Technology

ToughSkin HT Ice & Water Guard™ is a self-adhered underlayment that consists of our ToughSkin Slipsafe Technology coated with a rubberized asphalt adhesive. This technology allows for a superior adhesion over a large range of temperatures, including high temperature applications such as metal roof systems. Our skid-resistant surface includes our high tensile strength ToughSkin design while staying lighter for easier handling.

Strong Adhesion

The rubberized asphalt adhesive maintains adhesion and sealability over a large temperature range

Watertight Laps

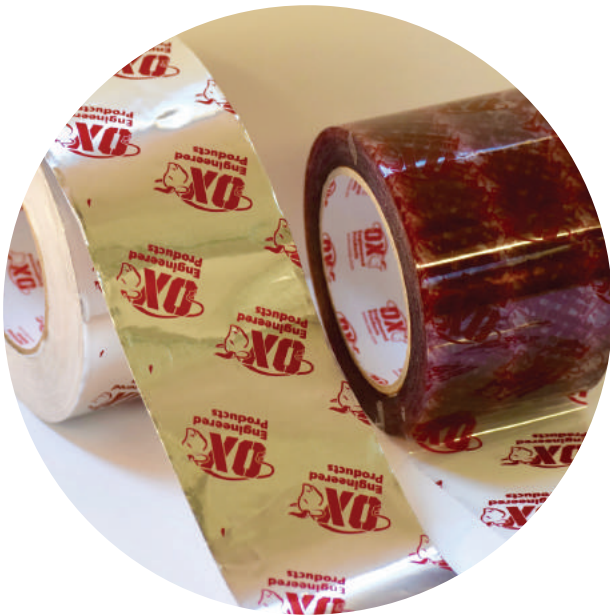
Membrane easily forms water-tight overlaps due to the topcoat adhesion strip

SlipSafe[®] Technology

Self-adhered membrane has a slip resistant embossed surface for optimal traction

Environmentally Friendly

No oil leaching - no hazardous material content



seamTAPE

sheathing tape by **OX**

Our seal tapes will get your seal of approval.

Ox offers seam tapes for both residential and commercial construction. They are designed for use as a closure system and vapor seal on all interior and exterior sheathing materials. Ox Seam Tapes exceed most building code requirements and can be used for new construction as well as repair on all vapor barrier materials.

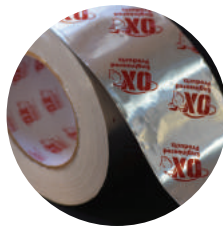
Ox Seam Tape



Available in clear
2 7/8" x 165" rolls

Application Temperature
-4° to 105° F

Ox Commercial Seam Tape



Available in foil
2 7/8" x 150" rolls

Application Temperature
-4° to 104° F

HomeGuard Seam Tape



Available in white
2 7/8" x 165" rolls

Application Temperature
-4° to 105° F

Ox Sheathing and Commercial Seam Tape

Designed for maximum adhesion to all Ox Engineered Sheathing Products, HomeGuard Housewrap and Titan Drainage Wrap. Ox Seam Tape, Ox Commercial Seam Tape and HomeGuard Seam tape provides complete protection against air and water intrusion and superior seam and lap sealing.

Attributes

- Coated with a highly aggressive acrylic pressure sensitive adhesive (PSA).
- Can be used across a variety of sheathing types.
- Seam tape is hand tearable for fast, easy installation.
- For use as part of our 30-year system warranty*

**See individual product warranties for applicable tape use on system warranties*



Ox Self-Adhesive Flashing Tape Family

Prevent moisture at the point of attack.

Ox provides various self-adhesive flashing tapes that prevent moisture intrusion for a variety of through-wall penetrations. Our line features solutions to the toughest installation challenges and offers the right product to meet your needs. Our flashing tapes are designed with a wide range of application temperature ranges from freezing temperatures to extreme heat.

Arctic Flash Synthetic Flashing



Available in 4", 6" and 9" x 75' rolls

Application temperature 0°-180° F

Titan Butyl Flashing



Available in 4", 6", 9" and 12" x 75' rolls

Application temperature 20°-180° F

HomeGuard RA Plus Flashing



Available in 4", 6", 9", 12" and 18" x 75' rolls

Application temperature 35°-180° F

Flexible Butyl Flashing



Available in 6", 9" and 12" x 75' rolls

Application temperatures 25°-180° F

HomeGuard Polymer Sealant



Available in 10.1 oz cartridges

Application temperature 0° - 120° F

Keep moisture out and protect your home with Ox Flashing Tapes.

Our various flashing tapes from traditional RA Flashing to our advanced synthetic Arctic™ Flash provide homeowners and builders with peace of mind against water intrusion.

Attributes

- Available in various sizes and materials
- Application temperatures range from 0° to 180° F
- All our tapes are self-adhesive and don't require mechanical fasteners to install
- Contributes to our 15 and 30-year product system warranties*
- No VOCs, HFCCS or CFCS
- Up to six months of UV exposure

**See individual product warranties for applicable tape use on system warranties*

Performance to the Core



OX Engineered Products
22260 Haggerty Road STE 365
Northville, MI 48167
p. 248.289.9950
f. 248.289.9955
oxengineeredproducts.com

Made in USA 