



TPO Fully Adhered Roofing System

About TPO

Thermoplastic polyolefin (TPO) membrane is the fastest growing and most popular single ply membrane in the United States. Its durable construction protects against harsh weather, and its white surface reflects the sun's heat and damaging UV rays to reduce cooling demands for a better performing building. When fully adhered, a TPO roofing system offers unparalleled wind uplift protection, making it ideal for high elevations and other places where wind is a concern.

Henry TPO Membrane is a premium, single-ply sheet designed for new roof construction and re-roofing applications.

Sizes

- 6'x50' roll
- 10'x50' roll

Product Features

- Outstanding puncture resistance
- Environmentally friendly and heat/UV resistant formulation
- Excellent chemical resistance to acids, bases and restaurant exhaust emissions
- Compounded with non-halogenated flame retardants





TPO Advantages

With a Henry TPO Fully Adhered Roofing System, you're equipped to protect every critical point on your roof and prevent costly failures.



EXCELLENT HEAT AND
UV RESISTANCE



LONG-TERM
ENERGY EFFICIENCY



SUPERIOR WEATHER
RESISTANCE



STAYS WHITER AND
BRIGHTER LONGER



FORMULATED
FOR LONG-TERM
PERFORMANCE

Suitable Substrates

New Construction Substrate	Insulation Required
Steel	Yes
Plywood or OSB	No
Structural Concrete	No
Wood Planks	Yes
Gypsum & Fibrous Cement	Yes
Re-Roofing Substrate	Insulation Required
Smooth-Surface BUR	No
Gravel-Surfaced BUR	Yes
Existing Single-Ply	Yes

Recommended Insulations: Henry Polyiso.

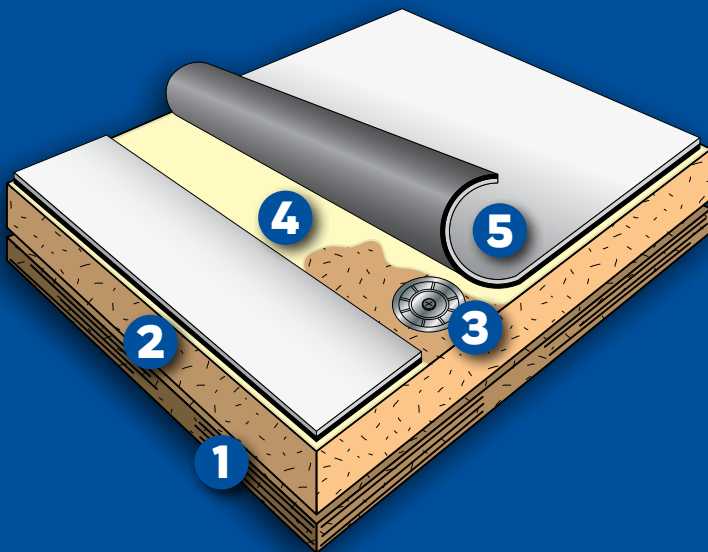
Insulation Attached By: Henry Fasteners and Plates.

Membrane Attached By: Henry Low-VOC Bonding Adhesive or 1168.



Henry TPO Fully Adhered Roofing System

Using Low-VOC Bonding Adhesive, TPO Membrane is attached to Polyiso Insulation or a suitable roof substrate. TPO Membrane is rolled into place and seams are bonded with Low-VOC Primer and Seam Tape.



1. Suitable Roof Substrate
2. Polyiso Insulation
3. Insulation Fasteners and Plates
4. Low-VOC Bonding Adhesive
5. TPO Membrane

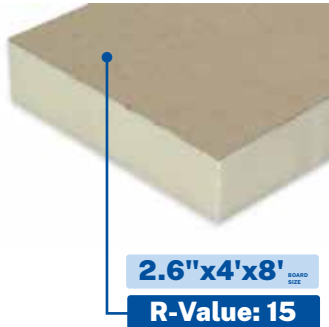
Insulation

Henry Polyiso Insulation is lightweight and cost-effective, provides energy-efficient solutions for buildings in any region and climate, and offers outstanding return on investment.

Sizes

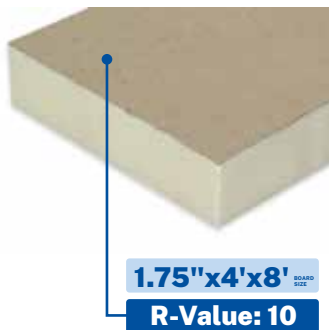
Polyiso Insulation

- 2.6"x4'x8' (R-Value: R-15)



Polyiso Insulation

- 1.75"x4'x8' (R-Value: R-10)



High-Density Polyiso Cover Board

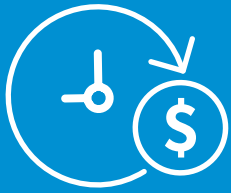
- 0.5"x4'x8' (R-Value: R-2.5)



Advantages of Polyiso

- Highest R-value per inch of any commercially available insulation
- Minimal water absorption and vapor transmission
- Compatible with all single-ply membranes
- Exceptional fire resistance
- Long-term thermal resistance
- Superior compressive strength and design flexibility

Accessories & Adhesives



PRODUCTIVITY BOOSTER

Henry offers an assortment of accessories to create a complete, compatible and professional-grade TPO Roofing System. Labor-saving, weld-free, peel & stick accessories make installation fast and easy.

Primer



Low-VOC Primer

- Excellent long-term peel and shear strength
- VOC less than 250 g/L
- Size: 1 quart can

Adhesives



Low-VOC Bonding Adhesive

- Provides excellent adhesion
- Lower viscosity promotes ease of application even in cold weather
- VOC less than 250 g/L
- Size: 5 gallon pail



Low-Bonding Adhesive 1168

- High-strength adhesive that enables quick bonding
- VOC less than 250 g/L
- SCAQMD 1168 compliant
- Size: 5 gallon pail

Available in California.
SCAQMD 1168 compliant

Sealants



Single-Ply Sealant

- Excellent adhesion to a variety of substrates
- Wide range of applications
- Color: White
- Size: 10.1 fl. oz. cartridge



Lap Sealant

- Extremely durable
- Cured rubber consistency
- Color: White
- Size: 11 fl. oz. cartridge



Low-VOC Water Cut-Off Mastic

- Provides a durable watertight termination for membrane using a compression-type seal
- SCAQMD 1168 compliant
- Color: Gray
- Size: 11 fl. oz. cartridge

Peel & Stick



Flashing

- Adaptable to irregular shapes and surfaces
- Self-curing membrane
- Color: White
- Size: 9"x25' roll



Seam Tape

- Provides excellent long-term splice strength
- Greater peel and shear strength than standard tapes
- Color: White
- Size: 3"x100' roll



Cover Strip

- Perfect for stripping in metal drip edge
- Handles expansion and contraction loads without weakening
- Resists tearing, flex-cracking, and abrasion caused by temperature extremes, sunlight, precipitation, and all forms of normal weathering
- Color: White
- Size: 6"x50' roll



Corners & T-Joint Covers

- Pre-cut flashing increases installation speed by eliminating cutting time and reducing adhesive application requirements
- Pre-cut to the same size, providing a consistent appearance
- Color: White
- Size: 7"x9" (4 per carton)



Pipe Seal

- Fits pipes from 1"-6" in diameter
- Includes pre-applied seam tape to simplify installation and provide superior adhesion
- Color: White
- Size: Fits 1" to 6" pipe

Fasteners, Plates & Bar



Fasteners & Plates

- Designed for attachment of insulation

Screws:

- Drill-point designed for maximum installation efficiency
- Black epoxy electro-deposition coating provides excellent corrosion resistance

Plates:

- Stamped from Galvalume®-coated steel for long-term protection against corrosion
- Round design provides an even distribution of loads and eliminates sharp corners that can damage insulation
- Size: 2-1/4" Fastener & 3" Plate (250 of each per pail)



Plates

- Designed for attachment of insulation
- Stamped from Galvalume®-coated steel for long-term protection against corrosion
- Round design provides an even distribution of loads and eliminates sharp corners that can damage insulation
- Size: 3" (1,000 per pail)



Insulation Fasteners

- Designed for attachment of insulation
- Drill-point designed for maximum installation efficiency
- Black epoxy electro-deposition coating provides excellent corrosion resistance
- Sizes: 3", 4", 5", & 6" (1,000 per pail)



Termination Bar

- Designed for securing and sealing compression type flashing terminations
- Features an extended top edge for ease of sealant application
- Size: 1" x 10'

Henry – The Leader in Building Envelope Systems

From the tallest commercial structures to smallest single-family homes, our integrated Building Envelope Systems® ensure superior building performance, consistently and cost effectively. Need to control the flow of water, air, vapor, and energy? We'll help you keep the outside out and the inside safe, dry, and energy efficient.

Henry® is owned by Carlisle Weatherproofing Technologies (CWT), a Carlisle Companies Incorporated business. CWT is a leading supplier of building envelope solutions that effectively drive energy efficiency and sustainability in commercial and residential applications.

