

VERTIWRAP® TWF RA

SELF-ADHERED, RUBBERIZED ASPHALT, THROUGH WALL FLASHING FOR CAVITY WALL APPLICATIONS

PRODUCT DESCRIPTION

Vertiwrap TWF RA is an impermeable self-adhered through wall flashing membrane designed to provide water management in cavity wall applications. Vertiwrap TWF RA is constructed with rubberized asphalt adhesive bonded to cross laminated high density polyethylene film.

FEATURES AND BENEFITS

- Impermeable to air, liquid water, and water vapor
- Fully adhered to substrate eliminating water migration
- Cross laminated film for enhanced mechanical properties

SYSTEM COMPONENTS

- Vertiwrap TWF RA
- Vertiseal 50
- Mapeprime S710
- Mapeprime 720W
- For use as a stand-alone system or with Vertiwrap VPS, NPS, VPL and NPL Membranes

TECHNICAL DESCRIPTION

Property	Test Method	Vertiwrap TWF RA Typical Value
Thickness OAT	ASTM D3767(A)	40 mil (1 mm)
Low Temperature Flexibility	ASTM D1970	Unaffected at -40°F (-40°C)
Tensile Strength Membrane	ASTM D412, Die C modified	1400 psi (9650 kpa)
Elongation	ASTM D412	200%
Puncture Resistance	ASTM E154	80 lbs (356 N)
Peel Adhesion to Concrete at 25°F with primer ⁽¹⁾	ASTM D903	5 lb/in (875 N/m)
Peel Adhesion to CMU at 25°F with primer ⁽¹⁾	ASTM D903	5 lb/in (875 N/m) minimum
Permeance to Water Vapor	ASTM E96, method B	0.1 perms maximum

⁽¹⁾ Substrates primed with Mapeprime S710 primer.

STORAGE AND SHELF LIFE

12 month shelf life if stored in its original packaging in a dry environment at a temperature between 40°F and 90°F (4°C and 32°C). Store off the ground and protected from moisture.

LIMITATIONS

- Vertiwrap TWF RA cannot be permanently exposed to UV and must be protected with the exterior cladding within 60 days of installation

PRODUCT DATA

12" Roll

Roll Size 12" x 75' (30 cm x 22.9 m)
 Rolls/Carton 3
 Carton Gross Weight 53 lb
 Carton Net Weight 52.5 lb
 Cartons/Pallet 25

18" Roll

Roll Size 18" x 75' (45 cm x 22.9 m)
 Rolls/Carton 2
 Carton Gross Weight 53 lb
 Carton Net Weight 52.5 lb
 Cartons/Pallet 25

24" Roll

Roll Size 24" x 75' (60 cm x 22.9 m)
 Rolls/Carton 1
 Carton Gross Weight 40 lb
 Carton Net Weight 39.5 lb
 Cartons/Pallet 35

36" Roll

Roll Size 36" x 75' (90 cm x 22.9 m)
 Rolls/Carton 1
 Carton Gross Weight 53 lb
 Carton Net Weight 52.5 lb
 Cartons/Pallet 25

WHERE TO USE

- Cavity wall applications
- Shelf angles
- Base of Wall
- Transitions

PRODUCT CODES

- VTWTFRA1275 (12" Roll)
- VTWTFRA1875 (18" Roll)
- VTWTFRA2475 (24" Roll)
- VTWTFRA3675 (36" Roll)



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SUITABLE SUBSTRATES AND SURFACE PREPARATION

EXTERIOR GRADE GLASS MAT SHEATHING, PLYWOOD OR OSB

Panel joints should be securely fastened, flush and spaced according to the manufacturer's requirements. Any gaps greater than ¼" must be filled with Vertiseal 50 or a Polyglass approved sealant and tooled flush. Damaged sheathing must be repaired according to the manufacturer's requirements.

CONCRETE MASONRY UNIT (CMU)

CMU joints should be struck full and flush, and mortar must be allowed to cure for a minimum of 3 days prior to application of the Vertiwrap TWF RA. All mortar must be removed from pre-installed brick ties.

CONCRETE

Remove any loose aggregate and repair spalled areas or other deficiencies in the concrete. Allow concrete to cure for a minimum of 3 days. When applying to concrete less than 7 days old, Mapeprime S710 is the only primer that can be utilized.

PRIMING

All substrates require priming with Mapeprime S710 or Mapeprime 720W Primer. Allow primer to dry completely prior to installing Vertiwrap TWF RA.

PRODUCT APPLICATION

TEMPERATURE

Vertiwrap TWF RA may be applied to substrates per substrate and surface preparations guidelines when air and surface temperature are 25°F (-4°C) and rising.

INSTALLATION

- Ensure that wall assemblies are dried in and that the top of walls are protected from water intrusion prior to installing.
- Vertiwrap TWF RA can be installed vertically or horizontally with minimum side and end laps of 2". All horizontal laps should be installed in a fashion that sheds water. Vertiseal 50 or a Polyglass approved sealant must be applied to all laps, seams, edges, cuts, penetrations, and top terminations of the Vertiwrap TWF RA. Terminations bars and reglets are acceptable but not required when installing Vertiwrap TWF RA.
- Roll the Vertiwrap TWF RA with a steel hand roller firmly in place during application.
- Vertiwrap TWF RA should be held back ½" (13 mm) from the face of the masonry and should always be supported across the wall cavity.

REPAIRS

- The system should be inspected for damage prior to concealment.
- Repairs to damaged areas should be made by first removing any unbonded membrane and then installing Vertiwrap TWF RA a minimum of 6" past the damaged area and sealing any non-water shedding edges with VertiSeal 50 or a Polyglass approved sealant.

CORPORATE HEADQUARTERS

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Product Disclaimer: Unless otherwise incorporated into or part of a supplemental manufacturer's warranty, Polyglass warrants its product(s) against manufacturing defects in its product that directly results in leakage for a period of 1 year. Refer to safety data sheet (SDS) for specific data and handling of our products. All data furnished refers to standard production and is given in good faith within the applicable manufacturing and testing tolerances. Polyglass U.S.A., Inc., reserves the right to improve and change its products at any time without prior notice. Polyglass U.S.A., Inc. cannot be held responsible for the use of its products under conditions beyond its own control. For most current product data, detail drawings and warranty information, visit www.polyglass.us



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