BASF

The Chemical Company

Product Bulletin

7 | 07 65 26
Self-Adhering Sheet Flashing

Enershield®-TWF

Flashing Membrane

COLOR
Light gray

PACKAGING
ENERSHIELD-TWF Flashing Membrane is available in:
12" Flashing Membrane - 300mm
18" Flashing Membrane - 460mm
24" Flashing Membrane - 600mm
36" Flashing Membrane - 900mm
Roll length is 23m (75'). Custom widths are available on request.

A variety of preformed end dams and inside/outside corners are available to facilitate fast, easy and effective installation.

STORAGE
All materials shall be stored under cover in a dry place protected from extreme heat and direct sunlight. Maintain material temperature greater than 10º C (50º F).

SHELF LIFE
1 year when stored in original container or factory sealed packaging as directed

RELATED DOCUMENTS
- ENERSHIELD-TWF Accessories product bulletin
- ENERSHIELD-FIL product bulletin
- ENERSHIELD-HP / -I details
- ENERSHIELD-HP product bulletin
- ENERSHIELD-I product bulletin
- TF MEMBRANE product bulletin

DESCRIPTION
ENERSHIELD-TWF Flashing Membrane is a self-adhesive product derived from proven roofing membrane technology. It is comprised of a polymer alloy reinforced with polyester fibers. ENERSHIELD-TWF Flashing Membrane is highly UV-resistant, stable in alkaline environments, and will not deteriorate or harden after prolonged service. It's 40-mil thickness is comprised of a 25-mil polymer membrane with a 15-mil rubberized asphalt adhesive.

USES
ENERSHIELD-TWF Flashing Membrane is designed for use with ENERSHIELD-HP and ENERSHIELD-I to create an air/water-resistive barrier system for use on masonry substrates and framed construction. ENERSHIELD-TWF Flashing Membrane can be installed with an integral drip edge or in conjunction with a metal drip edge.

SURFACE PREPARATION
Surface shall be clean and dry, with all sharp protrusions and mortar droppings removed.

ACCEPTABLE SUBSTRATES
ENERSHIELD-TWF Flashing Membrane can be applied to sheathing that complies with ASTM C1177 or ASTM C1325, untreated Exposure 1 or exterior plywood sheathing (grade C-D or better), untreated Exposure 1 OSB, and poured concrete/unit masonry. For best results, poured concrete/unit masonry should be treated with ENERSHIELD-FIL Block Filler. It can also be applied over substrates that have been coated with ENERSHIELD-HP or ENERSHIELD-I.

ENERSHIELD-TWF Flashing Membrane is alkaline resistant and may be built into a block backup wall.

TEMPERATURE
ENERSHIELD-TWF Flashing Membrane should be installed onto substrates at temperatures of 0º C (32º F) and rising. WS FLASHING PRIMER is 4º C (40º F).

PRIMING
All substrates (except ENERSHIELD-TWF Flashing Membrane itself) should be primed with WS FLASHING PRIMER. ENERSHIELD-TWF Flashing Membrane will bond to itself without primer.

INSTALLATION
Begin by installing appropriate preformed inside and outside corners, embedding them in MASTERSEAL NP 150 sealant. Ensure that all substrates that will receive ENERSHIELD-TWF Flashing Membrane have been primed, and that the primer is tacky. If time or other factors have caused the primer to lose tackiness, apply a second coat. Cut ENERSHIELD-TWF Flashing Membrane into workable lengths. Remove half of the release paper lengthwise and fold it along the membrane. Apply the membrane to the substrate, smoothing it to avoid formation of fishmouths. Provide a minimum 50mm (2") lap onto preformed corners. Remove the second half of the release paper and apply to substrate, ensuring fishmouth-free application. Repair any fishmouths that may form by slitting them and applying MASTERSEAL NP 150 to seal the repair. Firmly post-roll the adhered membrane with a steel roller. Apply MASTERSEAL NP 150 to all terminating edges and laps.

To utilize the intrinsic drip edge feature, position the membrane so the adhesive-free side extends minimum 7mm (¼") through the outer wall to form

a drip. Apply a bead of MASTERSEAL NP 150 under the drip edge to seal the bottom. If using a metal drip edge, position the membrane so the adhesive-treated side laps onto the metal drip edge.

There are two options for attaching the top of the ENERSHIELD-TWF Flashing Membrane to substrate.

If using TF MEMBRANE attachment, apply WS FLASHING PRIMER to the backup wall above the ENERSHIELD-TWF Flashing Membrane. Once tacky, apply a strip of 102mm (4") TF MEMBRANE across the top of the ENERSHIELD-TWF Flashing Membrane, centering the TF MEMBRANE so that half the TF MEMBRANE extends onto the primed backup wall. Post roll TF MEMBRANE and saturate with ENERSHIELD to create a seamless transition.

If using a termination bar, adhere ENERSHIELD-TWF Flashing Membrane to the backup wall. Then attach the termination bar and apply MASTERSEAL NP 150 or equal to the top edge of ENERSHIELD-TWF Flashing Membrane to create a uniform seal.

ACCESSORIES

The following accessories are available:

ENERSHIELD-TWF 0601 ED 6" End Dam, Right
ENERSHIELD-TWF 0602 ED 6" End Dam, Left
ENERSHIELD-TWF 040 ED 4" End Dam
ENERSHIELD-TWF 9001 OC Outside Corner
ENERSHIELD-TWF 9001 IC Inside Corner

TECHNICAL SUPPORT

Consult the BASF Wall Systems Technical Services Department for specific recommendations concerning all other applications. Consult the Enershield website, www.enershield.basf.com, for additional information about products and systems and for updated literature.

HEALTH, SAFETY AND ENVIRONMENTAL

Read, understand and follow all Material Safety Data Sheets and product label information for this product prior to use. The MSDS can be obtained by calling 1-800-221-9255, visiting www.enershield.basf.com or e-mailing a request to bwscustomerservice@basf.com. Use only as directed.
For medical emergencies only, call ChemTrec® 1-800-424-9300.

Test Data

TEST	RESULTS
Tensile Strength / Tensile Elongation ASTM D412	650 psi 175%
Tear Strength ASTM D624	280 ppi
Low Temperature Flexibility ASTM D146	Pass
Water Absorption ASTM D1471	<0.1%
Air Permeance of Building Materials ASTM E2178	0.004 L/(s·m^2) @ 75 Pa

WARRANTY

BASF warrants this product to be free from manufacturing defects and to meet the technical properties on the current Product Bulletin, if used as directed within shelf life. Satisfactory results depend not only on quality products but also upon many factors beyond our control. BASF MAKES NO OTHER WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO ITS PRODUCTS. The sole and exclusive remedy of Purchaser for any claim concerning this product, including but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is shipment to purchaser of product equal to the amount of product that fails to meet this warranty or refund of the original purchase price of product that fails to meet this warranty, at the sole option of BASF. In the absence of an extended warranty issued by BASF, any claims concerning this product must be received in writing within one (1) year from the date of shipment and any claims not presented within that period are waived by Purchaser. BASF WILL NOT BE RESPONSIBLE FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDING LOST PROFITS) OR PUNITIVE DAMAGES OF ANY KIND.

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