

TF Wrap / WS Flashing Primer

Product Bulletin

Uses

1. Used as an air barrier accessory to connect different air barrier materials or assemblies together to make the air barrier continuous.
2. Flashing at sills, approved sheathing joints, rough openings, and terminations in mechanically fastened systems.
3. As an expansion joint seal in mechanically fastened systems.

WS FLASHING PRIMER is to be used under TF WRAP membrane on these acceptable substrates and other surfaces:

1. Wood framing (Note: Verify adhesion before applying to wood that has been treated in any way.)
2. ASTM C1177 sheathings, e.g. e²XP™, GlasRoc®, Securock™ and DensGlass™
3. Water-resistant core gypsum sheathing (ASTM C79/ASTM C1396)
4. Cement-board (ASTM C1325 Type A Exterior)
5. Masonry
6. Exposure 1 or exterior plywood sheathing
7. Exposure 1 OSB
8. Steel framing
9. TF WRAP (itself)
10. ENERSHIELD™-HP
11. ENERSHIELD™-I

Technical Information

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

Preparation

1. Acceptable substrate shall be dry, clean, sound and free of releasing agents, paint, contaminants, residue or other coatings. Verify substrate is flat, free of fins or anything that would hinder the adhesion of the membrane.
2. Unsatisfactory conditions shall be reported to the general contractor and corrected before application of the BASF Wall System materials.
3. Wrap openings in accordance with BASF Wall System's *Air/Water-Resistive/Vapor Barrier Application Guidelines* technical bulletin.

Advantages

Self-sealing, self-healing; maintains a seal when penetrated by fasteners

4" & 9" rolls on release paper; enhances easy application

Description

TF WRAP is a 20-mil thick, self-sealing, self-healing rubberized asphalt coating laminated to polyethylene film. TF WRAP is supplied in rolls, on release paper, for easy application.

WS FLASHING PRIMER is a single component, water-based primer specially formulated for use with TF MEMBRANE and TF WRAP.

Color

WS FLASHING PRIMER is pinkish during application, drying to semi-transparent.

Packaging

TF WRAP 4:
10.2 cm x 45.7 m (4" x 150') rolls
9 rolls per carton

TF WRAP 9:
22.9 cm x 45.7 m (9" x 150') rolls
4 rolls per carton

WS FLASHING PRIMER:
19-liter (5-gallon) pails
3.8-liter (1-gallon) bottles
4 bottles per carton

Coverage

TF WRAP 4:
411.5 Lin m (1,350 Lin ft) per carton

TF WRAP 9:
182.9 Lin m (600 Lin ft) per carton

FLASHING PRIMER:
Coverage rates will vary depending on the texture, porosity of the existing substrate. Approximate coverages:

ASTM C1177 exterior sheathing:
11.6–13.9 m² (125–150 ft²)
per 3.8 L (1-gallon) bottle,
58–69.5 m² (625–750 ft²)
per 19 L (5-gallon) pail

Gypsum sheathing:
14.9–17.7 m² (160–190 ft²)
per 3.8 L (1-gallon) bottle,
74.5–88.5 m² (800–950 ft²)
per 19 L (5-gallon) pail

Exterior plywood sheathing & cement-board (ASTM C1325):
16.7–20.4 m² (180–220 ft²)
per 3.8 L (1-gallon) bottle,
83.5–102 m² (900–1100 ft²)
per 19 L (5-gallon) pail



The Chemical Company

TF Wrap / WS Flashing Primer

Application

WS FLASHING PRIMER/TF WRAP application

1. Shake or stir WS FLASHING PRIMER until uniform consistency, approximately one minute.
2. Apply WS FLASHING PRIMER with a brush or roller to achieve an average coverage rate of 11.6–20.4 m² per 3.8 liter (125–220 ft² per gallon). Coverage rate will vary according to substrate.
3. Apply WS FLASHING PRIMER evenly. Surfaces shall be uniformly coated, free from voids, pinholes or blisters.
4. Protect primed surface from dust to prevent adhesion problems.
5. A second coat of primer may be required for porous surfaces or if the initial adhesion is not optimal.
6. Apply TF WRAP as soon as the WS FLASHING PRIMER is dry and tacky. Additional WS FLASHING PRIMER will be required over areas that are no longer tacky.
7. Cut TF WRAP roll to desired length with a utility knife or scissors.
8. Remove usable size of the release film immediately before application and center the TF WRAP over the area to be sealed.
9. Using a wallpaper roller, extension-handled countertop roller or weighted hand roller, firmly roll the TF WRAP to the area being sealed. As the TF WRAP is applied, pull more of the release film from the TF WRAP, exposing the adhesive surface, pressing down on the TF WRAP with a roller and keeping the TF WRAP smooth.
10. If blisters occur, they can be slit with a utility knife and the membrane pressed flat with a roller. Ensure no voids or holes are present. Repair as necessary.
11. Installed materials should be checked for delamination of edges before final system application. Repair as necessary.
12. Overlap TF WRAP a minimum of 50 mm (2") horizontally and 150 mm (6") vertically.
13. Clean tools as soon as possible with warm water and soap. Dried WS FLASHING PRIMER is difficult to remove from tools.
14. Install exterior cladding system in accordance with manufacturer's current specifications and details.

Limitations

1. Store material in a well ventilated, clean, dry area where temperatures will not exceed 32°C (90°F).
2. Do not apply BASF Wall System materials in ambient temperatures below 4°C (40°F). Provide supplementary heat during installation and drying period (at least 24 hours after installation and until dry) when temperatures less than 4°C (40°F) are anticipated.
3. When applying the membrane in cooler temperatures, store material for 24 hours inside at room temperature for better adhesion. Adhesion properties of TF WRAP during application in cooler temperatures may also be improved by the use of a heat gun.
4. Do not store rolls on end.
5. Protect from rain and physical damage until installation of exterior cladding system.
6. Do not apply the material to any surfaces not listed as an acceptable substrate/surface, including silicone caulk or other solvent base products.
7. Do not expose material to sunlight for over 30 days.
8. Apply TF WRAP only to dry surfaces. Allow surfaces to dry a minimum of 24 hours after precipitation.
9. Do not apply BASF Wall Systems' materials to frozen surfaces.
10. Shelf life is one year when stored in original container or factory sealed packaging as directed.

TECHNICAL DATA

| Property | ASTM Test Method | Result |
|------------------------------------|------------------|---------------------------|
| Peel Adhesion (To primed Steel) | D1000 | 10 lbs/in. width |
| Elongation at Break | D882 Method A | (Modified) > 100% |
| Low Temperature Pliability | D146 modified | No cracking -26°C (-15°F) |
| Water Vapor Transmission | E96 B | <0.02 U.S. Perms |

Note

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