

#### Product Description

EXOAIR® TWF (Thru-Wall Flashing) is a 40-mil (1.0 mm) composite sheet designed for use as a thru-wall flashing. It is comprised of 32 mils (.80 mm) of self-adhering SBS rubberized asphalt laminated to an 8 mil (.20 mm) cross-laminated, high density, polyethylene film with a siliconized release liner.

#### Basic Uses

EXOAIR TWF is typically installed in cavity wall construction on substrates such as masonry, metal, concrete, gypsum and wood substrates. EXOAIR TWF transitions from EXOAIR 110 and EXOAIR 110 AT Self-Adhered Air and Vapor Barrier, EXOAIR 120 and EXOAIR 130 Fluid Applied Air and Vapor Retarder Membranes and EXOAIR 220 and EXOAIR 230 Fluid Applied Vapor Permeable Membrane to areas that require a masonry flashing material.

#### Features and Benefits

- EXOAIR TWF has been tested and is compatible with all the EXOAIR product line.
- Manufactured to a preset, uniform thickness that provides consistent and uniform coverage at proper thickness.
- Rugged HDPE film protects SBS membrane against incidental damage during construction process.
- Variety of widths available for job specific needs.

#### Availability

EXOAIR® TWF is immediately available from your local Tremco Sales Representative or Distributor. For Distributor locations, visit [www.tremcosealants.com](http://www.tremcosealants.com)

#### Coverage Rates

Varies depending on width selected

#### Packaging

Length: 75' (22 M)  
Width: 12" (30 cm) 2 rolls/box  
18" (45 cm) 1 roll/box  
24" (61 cm) 1 roll/box

#### Colors

Black HDPE facer with White Tremco Logo

#### Storage

Store EXOAIR TWF in the original, undamaged packaging in a clean, dry and protected location where temperatures do not exceed 100 °F (37 °C). If material is stored in an area below 40 °F (5 °C), move material to a heated area, 60 to 70 °F (15 to 21 °C) prior to installation.

#### Shelf Life

2 years when stored in accordance with storage instructions.

#### Applicable Standards

- ASTM D412 Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers - Tension
- ASTM D570 Standard Test Method for Water Absorption of Plastics

- ASTM D1970 Standard Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection
- ASTM E96 Standard Test Methods for Water Vapor Transmission of Materials
- ASTM E154 Standard Test Methods for Water Vapor Retarders used in Contact with Under Concrete Slabs, on Walls or as Ground Cover - Section 10 only

#### Fire Rated Systems

EXOAIR TWF has been tested in assemblies according to NFPA 285 Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Non-Load-Bearing Wall Assemblies Containing Combustible Components. All the NFPA 285 UL listed assemblies using Tremco materials can be found using the technical bulletin: ASHRA 90.1 & NFPA 285: Defining & Specifying to Meet IECC & IBC or utilizing the following link:

[http://www.tremcosealants.com/filesshare/commercial\\_docs/ASHRAE90.1%20and%20NFPA285.pdf](http://www.tremcosealants.com/filesshare/commercial_docs/ASHRAE90.1%20and%20NFPA285.pdf)

For NFPA 285 engineering judgement requests please go to [www.tremcosealants.com/NFPA 285 Engineering Judgement Request](http://www.tremcosealants.com/NFPA%20Engineering%20Judgement%20Request), or contact Tremco Technical Service at 866-209-2404.

#### Limitations

- No more than 30 days of UV exposure before façade installation. If membrane is exposed for a period exceeding 30 days, contact Tremco Technical Service for additional recommendations at 866-209-2404, or visit the Technical Resources area of our website at [www.tremcosealants.com](http://www.tremcosealants.com) and "Ask the Expert."
- Do not apply to damp, contaminated or frost-covered surfaces.
- Not to be used as a permanently exposed surface. Contact your local Tremco Sales Representative for project specific requirements.
- Keep product from freezing prior to being applied to the substrate. It is best to store EXOAIR TWF off the floor at an ambient temperature above 40 °F (10 °C).
- EXOAIR TWF is designed for installation at 40°F (5°C) and rising.
- Termination Mastic should not be used with ExoAir TWF in a fully encapsulated area.

#### Warranty

Tremco warrants its Products to be free of defects in materials but makes no warranty as to appearance or color. Since methods of application and on-site conditions are beyond our control and can affect performance, Tremco makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE with respect to Tremco Products. Tremco's sole obligation shall be, at its option, to replace or to refund the purchase price of the quantity of Tremco Products proven to be defective, and Tremco shall not be liable for any loss or damage.

Please refer to our website at [www.tremcosealants.com](http://www.tremcosealants.com) for the most up-to-date Product Data Sheets.

NOTE: All Tremco Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) requirements.

**TYPICAL PHYSICAL PROPERTIES**

| <b>PROPERTY</b>         | <b>DESCRIPTION</b>   |
|-------------------------|--|
| Type                    | SBS modified asphalt sheet with white HDPE facer   |
| Color                   | Black HDPE facer with White Tremco Logo  |
| Solids                  | 100%   |
| Weight                  | 0.30 lb/ft <sup>2</sup> (1.46 kg/M <sup>2</sup> )  |
| Application             | Sheet Applied  |
| Thickness               | 32 mils SBS asphalt, 8 mils HDPE facer   |
| Storage Temperature     | 40 to 100 °F (5 to 37 °C)  |
| Application Temperature | Above 40 °F (5 °C) and rising. If installing below 40 °F (5 °C), please refer to Cold Weather Air Barrier Installation Technical Bulletin or contact Tremco Technical Service at 866-209-2404. |
| Service Temperature     | Intermittent Exposure up to 158 °F (70 °C)   |

| <b>PROPERTY</b>   | <b>TEST METHOD</b>      | <b>TYPICAL VALUES</b>              |
|---|-------------------------|------------------------------------|
| Maximum V.O.C.  | Method 310              | 0 g/L                              |
| Elongation  | ASTM D412 Die C         | 250%                               |
| Tensile Strength  | ASTM D412 Die C         | 500 psi (344.7 N/cm <sup>2</sup> ) |
| Moisture Absorption   | ASTM D570               | 0.1%                               |
| Water Vapor Permeance   | ASTM E96 Dry Cup        | 0.02 US Perms                      |
| Tensile Strength  | ASTM D882               | 5.994 N/mm                         |
| Pliability, 180°, 1" (25 mm) mandrel @ -29 °F (-34 °C) (Low Temperature Flex) | ASTM D1970 Section 7.6  | Pass                               |
| Puncture Resistance   | ASTM E154               | 70 lbf (3111 N)                    |
| Nail Sealability  | ASTM D1970, Section 7.9 | Pass                               |
| Evaluation of Fire Propagation Characteristics                                | NFPA 285                | Evaluated in multiple assemblies   |

**0418/EXOAIR TWF DS-AB****Tremco Commercial Sealants & Waterproofing**

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|--|--|---|--|
| 3735 Green Rd<br>Beachwood OH 44122<br>216.292.5000 / 800.321.7906 | 1451 Jacobson Ave<br>Ashland OH 44805<br>419.289.2050 / 800.321.6357 | 220 Wicksteed Ave<br>Toronto ON M4H1G7<br>416.421.3300 / 800.363.3213 | 1445 Rue de Coulomb<br>Boucherville QC J4B 7L8<br>514.521.9555 |
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