

Product Description

TREMproof® 500 Series incorporates double-scrim HDPE membranes with a special-weave pattern that enhances abrasion resistance, thickness, flatness and tear properties. These post-applied, self-adhered waterproofing membranes feature 20-mils of a high-performance butyl adhesive allowing cold-temperature application for an all-weather solution. TREMproof 560 is a 60-mil composite sheet designed for use with green or damp concrete without the use of primer.

Basic Uses

TREMproof 560 is designed for poured concrete and CMU backfilled walls along with select horizontal applications.

Features and Benefits

- Primerless application provides incremental labor savings
- Can be applied to damp and green concrete to accelerate construction cycles
- Manufactured to a preset, uniform thickness that provides consistent and uniform coverage
- High puncture resistance facer eliminates the need for protection course
- High-performance butyl allows cold-temperature application flexibility offering an all-weather solution
- Reduced material weight compared to traditional 60-mil systems

Availability

TREMproof 560 is immediately available from your local Tremco Sales Representative or Distributor. For Distributor locations, visit www.tremcosealants.com

Packaging

Length: 71' (21.6 M)

Width: 3' (0.91 M)

Colors

Black

Storage

Store TREMproof 560 in the original, undamaged packaging in a clean, dry and protected location where temperatures do not exceed 100 °F (37 °C).

Shelf Life

2 years when stored in accordance with storage instructions.

Limitations

- Not meant to be exposed for more than 180 days before backfill or over burden placement. If membrane is exposed for a period exceeding 180 days, contact Tremco's Technical Services for additional recommendations at 866-209-2404, or visit the Technical Resources area of our website at www.tremcosealants.com and click "Ask the Expert."
- Do not apply to contaminated or frost-covered surfaces.
- Not to be used as a permanently exposed surface. Contact your local Tremco Sales Representative for project specific requirements.

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 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

| PROPERTY | DESCRIPTION | |
|--|--|---|
| Type | High-performance butyl laminated to 40 mils of a special-weave, heavyweight fabric | |
| Color | Black | |
| Solids | 100% | |
| Weight | 0.30 lb per ft ² | |
| Application | Sheet Applied | |
| Thickness | 20 mils butyl, 40 mils heavyweight fabric | |
| Storage Temperature | Temperatures not exceeding 100 °F (37 °C) | |
| Application Temperature | Above 20 °F (-6 °C) and rising | |
| Service Temperature | Intermittent Exposure up to 240 °F (115 °C) | |
| PROPERTY | TEST METHOD | TREMPROOF 560 |
| Maximum V.O.C. | Method 310 | 0 g/L |
| Grab Tensile | ASTM D7004 | MD 680 lb (3019) / TD 650 lb (2886) |
| Tensile strength, membrane, die c | ASTM D412 modified ¹ | >1000 psi (6895 kPa) min |
| Tensile strength, film | ASTM D882 modified ¹ | 5,000 lbs/in. ² (34.5 Mpa) min |
| Mullen Burst | ASTM D751 | 1250 psi (8612 kPa) |
| MVTR | ASTM E96 Proc. BW | 0.31 g/m ² ·24 hr (0.04 perms) |
| Hydraulic Conductivity | Calculated from MVTR | 2.65 x 10 ⁻¹² cm/s |
| Hydrostatic Resistance | ASTM D751 | 685 psi (4723 kPa) |
| Water Absorption | ASTM D570 | 0.1% maximum |
| Permeance | ASTM E96 | 0.04 perms maximum |
| Puncture Resistance | ASTM E154 | >500 lb (>2224 N) |
| Lap Adhesion at Minimum Application Temperature | ASTM D1876 modified ³ | 6.8 lbs/in. (1191 N/m) |
| Elongation, Ultimate Failure of Rubberized Asphalt | ASTM D412 modified ² | 577% |
| Peel Strength | ASTM D903 modified ⁴ | 6.7 lbs/in. (1173 N/m) |
| Lap Peel Adhesion | ASTM D903 @ RT | 6.7 lbf (29.8 N) |
| Lap Peel Adhesion | ASTM D903 @20°F | 20.5 lbf (91.2 N) |
| T-Peel | ASTM 1876 | 6.8 lbf (30.2 N) |
| Flexibility, 180° bend over 1 in. (25 mm) mandrel at -25°F (-32°C) | ASTM D1970 | Unaffected |
| Crack cycling at -25°F (-32°C), 100 cycles | ASTM C836 | Unaffected |

¹ The test is run at a rate of 2 in. (50 mm) per minute.

² Butyl adhesive elongation

³ The test is conducted 15 minutes after the lap is formed and run at a rate of 2 in. (50 mm) per minute at 40°F (5°C).

⁴ The 180° peel strength is run at a rate of 12 in. (300 mm) per minute.



1116TP500DS-BG

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