TREMproof® 560

Post-Applied, Self-Adhered Waterproofing Membrane

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.

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.
- This product is not intended for use in horizontal applications. (split slab, slab on grade, etc.)

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.

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