



APPLICATION INSTRUCTIONS

TREMproof® 560A
Self-Adhesive Waterproofing Membrane

1. PURPOSE

- 1.1 The purpose of this document is to establish uniform procedures for installing TREMproof 560A below grade waterproofing membrane.
- 1.2 The techniques involved may require modifications to adjust to jobsite conditions. Tremco recognizes that site-specific conditions, weather patterns, contractor preferences, and membrane detailing, may require deviation or alteration from these prescribed installation procedures. When such circumstances exist on a project, Tremco recommends that the local Tremco Sales Representative or Technical Services be contacted for assistance and approval as required.

2. SCOPE

- 2.1 This document will provide the necessary instructions for the application of TREMproof 560A and its related below grade Waterproofing System components.

3. POSSIBLE SYSTEM COMPONENTS

- 3.1 Recommended Materials and their use are as follows. For more information on the following materials please contact your local Tremco Representative or visit our website for product specific data sheets and application instructions at www.tremcosealants.com.
 - Dymonic® 100
 - TREMProof™ 260
 - Paraterm® Bar
 - TREMDrain® Series Drainage Mats and Protection Boards
 - TREMprime® ICF
 - TREMprime 500
 - ExoAir® LEF
 - Nudura® Low Expansion Foam

4. LIMITATIONS

- 4.1 TREMproof 560A membrane is not to be installed overponding/standing water, snow, ice, frost, or contaminated substrates.
- 4.2 If the backfill contains substantial amounts of either lava rock, basalt, or any other coarse or highly abrasive materials, a protection course or drainage mat may be required. Contact your local Tremco Representative at 866-209-2404 for details. Concrete that is to receive waterproofing shall be water-cured.
- 4.3 If submerged conditions exist, contact your local Tremco Representative at 866-209-2404 for details.
- 4.4 TREMproof 560A is not to be used as a permanently exposed surface. Contact your local Tremco Representative for project specific requirements.
- 4.5 TREMproof 560A can be applied to concrete or CMU walls and Nudura® ICF, when applying to other substrates, contact your local Tremco Representative for project specific requirements.
- 4.6 Application Temperatures: 41°F to 113°F (5°C to 45°C).
- 4.7 Service temperature: -4°F to 167°F (-20°C to 75°C).

5. STORAGE

- 5.1 Store TREMproof 560A in original, undamaged packages in a clean, dry, protected location with temperatures not exceeding 100 °F (37 °C).
- 5.2 Store membrane rolls upright (standing vertically) in a cool, dry location (not in direct ground contact) and protect with a tarp to prevent exposure to direct sunlight until the membrane is ready to be used.
- 5.3 Protect from moisture.
- 5.4 Store on a skid or pallet and cover with polyethylene or tarp.

6. SUBSTRATE PREPARATION

- 6.1 Proper Connections to other envelope systems such as the waterproofing, flashing, air barrier, and window/curtain wall systems shall be documented and approved by each manufacturer.
- 6.2 Surface to be waterproofed must be clean, firm, and free from release agents, dust, mud, loose mortar, wires, fins, metal projections or any other substances that might prevent placement and bonding of the membrane. Substrate should have a CSP profile of 1 to 5, if greater than 5 please consult your Tremco Representative. All porous substrates shall have a moisture content not to exceed 15% at time of application. CMU walls shall have all joints filled and struck flush. Please visit www.tremcosealants.com/technical-resources/technicalbulletins.aspx to review additional information.
- 6.3 Metal Surfaces require a pull-test to validate proper adhesion and performance. Metal surfaces need to be clean and free of oils or other contaminants.
- 6.4 Insulated Concrete Forms.
 - If the EPS foam surface has been exposed to sunlight for extended periods of time, the resulting yellow dust coating must be fully removed.

7. DETAIL WORK

- 7.1 All Inside corners, i.e. wall to footer connections must have a ½" x ½" (25 mm x 25 mm) cant bead of Dymonic 100 before application of the membrane.
- 7.2 Apply cant bead of Dymonic 100 minimum ½" x ½" (25 mm x 25 mm) around protrusion onto substrate and penetrating item. Install membrane tight to edge of Dymonic 100.
- 7.3 Wall cracks over 1/16" (1.5 mm) wide and shall be detailed with Dymonic 100.
- 7.4 TREMproof 560A may be applied over un-cured Dymonic 100 however, care must be taken not to displace un-cured Dymonic 100.
- 7.5 If expansion joints exist contact your local Tremco Representative for details.
- 7.6 Paraterm bar and Dymonic 100 may be used for terminations.
- 7.7 For Insulated Concrete Forms, prep all gaps, cuts and joints over 1/16" with Dymonic 100, ExoAir LEF or Nudura Low Expansion Spray Foam.
 - a. When using foam, tool as much as possible before application of the membrane.
 - b. At footing wall joint, prep the gap between the footing and the Nudura form with Dymonic 100, ExoAir LEF or Nudura Low Expansion Spray Foam.

8. APPLICATION PROCEDURE

- 8.1 The substrate must be clean, dry and free of dust, grease or other contaminant.
- 8.2 TREMprime 500 may be applied with a paint brush, roller or sprayer on metal, concrete, wood or polystyrene surfaces as well as on gypsum plasterboard. Average coverage: 0.1 to 0.3 L/m² (0.25 to 0.75 gal US/100 ft²).
- 8.3 Spraying equipment recommendations:
 - Spray tip size: between 20 and 25 mils (0.2 or .5 tip)
 - Pressure: 1300 psi continuous Membranes must be installed on the same day as the application of TREMprime 500. Minimum application temperature: 41°F to 113°F (5°C to 45°C). The product must be at minimum 10°C (50°F) at the time of application.
- 8.4 Not suitable for plastic surfaces such as vinyl siding or water repellent-treated panels. Do not use to seal self-adhesive membrane joints, as a primer between two membranes or on asphaltic boards.
- 8.5 On backfilled walls, TREMproof 560A can be applied vertically or horizontally. TREMproof 560A membrane shall be lapped onto previous sheet a minimum of 2" (76 mm) as per the markings on the edges of the membrane, and all horizontal laps should be properly shingled a minimum of 2" (76 mm).
- 8.6 TREMproof 560A may lap onto horizontal surfaces and terminate. If application consists of full horizontal membrane coverage consult your Tremco Representative.
- 8.7 TREMproof 560A must be mechanically roll pressed with a J-Roller to ensure the membrane develops sound contact to the substrate.
- 8.8 When required, treat seams with Dymonic 100 or TREMproof 260, lapping minimum .25" (6.35 mm) onto each sheet of TREMproof 560A while maintaining 1/16" (1.5 mm) thickness of Dymonic 100 or TREMproof 260.
- 8.9 A termination bar is required at grade. To terminate the membrane at the base, carry membrane min 6" onto footer. If logistical conditions arise that prevent this contact your Tremco Representative for appropriate termination detail.
- 8.10 Patch tears and inadequately lapped seams with TREMproof 560A or Dymonic 100. Clean TREMproof 560A with a damp cloth and dry. Slit fishmouths and repair with a patch extending 6" (150 mm) in all directions from the slit and seal edges of the patch with Dymonic 100 or TREMproof 260. Inspect the membrane thoroughly before covering and make any repairs.
- 8.11 TREMDrain drainage products are recommended for active drainage of the membrane. See TREMDrain product information.

8.12 Attachment of drainage can be accomplished through a surface mounted adhesive or self-adhered insulation stick pins.

8.13 All outside corners must have minimum 6" (152 mm) of membrane on both surfaces of corner.

8.14 Insulated Concrete Forms

- a. TREMproof 560A must be installed vertically onto the wall surface. When applying the membrane vertically the overlap needs to be 3" (76mm) as per the markings on the edges of the membrane. In special applications where the membrane needs to be installed horizontally, the overlap will need to be 6" (152mm).
- b. As outlined above, apply TREMprime ICF at the rate of 0.25 to 0.75gal US/100ft² (0.1 to 0.3 L/m²). Allow to dry completely before application of the membrane. Membrane must be applied the same day as the application of primer.
- c. To ensure a perfect seal, a trowelled bead of polystyrene foam compatible mastic/adhesive should be installed along the top edge and/or angle change where the ICF meets the concrete footing. Additional information is available from your local NUDURA distributor. The top of the membrane and mastic must be additionally protected from moisture entry by way of a subsequent application of parge coat in accordance with Nudura's Installation Manual. This step "anchors" the top edge of the membrane in place on the wall.

9. BACKFILL

- 9.1 Use care during backfill operation to avoid damage to the waterproofing system. Follow generally accepted practices for backfilling and compaction.

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