TREMproof® 201/60
Fluid-Applied, Elastomeric Waterproofing

APPLICATION INSTRUCTIONS

1. Purpose

1.1 The purpose of this document is to establish uniform procedures for installing TREMproof® 201/60 cold fluid-applied membrane in below-grade waterproofing applications.

1.2 The techniques involved may require modifications to adjust to jobsite conditions. Consult your Tremco Representative for specific design requirements.

2. Scope

2.1 This document will provide the necessary instructions for the application of TREMproof 201/60 cold fluid-applied membrane to qualify for the manufacturer's warranty. 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 and situations exist on a project, Tremco recommends that the local Tremco Sales Representative or Technical Services be contacted for assistance and approval as required.

3. Possible System Components

- Dymonic® 100
- HDPE Protection Course
- Paraterm® Bar
- TREMDrain® Series Drainage Mats and Protection Boards
- Tremco 2450 Protection Board
- Tremco Protection Mat
- TREMproof® 201/60-T

4. Substrate Preparation

4.1 Surface to be waterproofed shall be dry, clean, sound and free of all contaminants which may interfere with adhesion or proper curing.

4.2 Concrete slabs should be light steel troweled followed by a fine hair broom or equivalent finish. Concrete surface shall be free of voids, exposed aggregate areas, honey combs, splatters, ridges, fins and other projections or depressions which preclude a smooth and level surface. All reinforcing including cut-off rebar shall be covered by a minimum of 3/4" (18 mm) of concrete, epoxy or approved repair mortar.

4.3 Concrete should be water-cured and in place a minimum of 28 days prior to the application of the membrane. If application prior to 28 days is desired, Tremco recommends the use of TREMproof 250 GC.

4.4 Most dissipating types of curing compounds require removal before membranes can be successfully applied. Numerous manufacturers claim their curing compounds will not affect the adhesion of membranes and sealants and in some cases they may not. Sometimes the breakdown of the curing compound does not happen and/or the residual materials are left on the concrete and can cause adhesion problems with the membrane. Tremco will not accept responsibility for adhesion failures caused by curing compounds.

4.5 Concrete masonry unit construction may receive a parge coat of acceptable cementitious coating approved by Tremco. All CMU walls must have all joints solid grouted and struck flush with no voids.

4.6 For metal substrates, surface needs to be mechanically abraded, cleaned and primed with TREMprime Nonporous Primer.

5. Detail Work

5.1 All shrinkage cracks shall be treated with a 60-mil coating of TREMproof 201/60, 6" (152 mm) wide, centered over the crack.

5.2 Moving structural cracks greater than 1/16" (2 mm) shall be routed out and caulked with TREMproof 201/60T or Dymonic 100 and coated with a 60-mil detail coat of TREMproof 201/60.

5.3 A 1" (25 mm) cant of TREMproof 201/60-T or Dymonic 100 shall be installed at all horizontal-vertical junctures and projections. Integral flashing shall be installed to the height indicated on the drawings.

5.4 All detailing must be cured a minimum of 12 hr prior to the application of the membrane. Detailing shall be wiped clean with xylene prior to the application of the membrane.

5.4a. Inside corners shall be treated with a fillet bead of TREMproof 201/60-T or Dymonic 100. Install a 30-mil detail coat of TREMproof 201/60 extending 6" (15 cm) on either side of the corner.

5.4b. Outside corners should have a 3/4" to 1" (18-25 mm) chamfer. Install a 30-mil detail coat of TREMproof 201/60 extending 6" (15 cm) on either side of the corner.

5.5 If detailing is exposed more than 24 hours, apply Vulkem 191 QD Primer prior to application of the membrane. The primer shall be dry with a surface tack before applying TREMproof 201/60.

6. Membrane Application

6.1 TREMproof 201/60 shall be roller or squeegee applied at a rate of 4 gal/100 ft^2 (1.66 L/M^2) to provide a thickness of 60 mils. Blisters may form as a result of moisture vapor being emitted from the slab. Contact Tremco for a jobsite-specific recommendation to reduce blisters.

6.2 An approved protection course or TREMDrain Series drainage mat may be placed as soon as the membrane is a firm rubber.

6.3 Terminations shall be installed in accordance with ASTM C898 Standard Guide for Use of High Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane with Separate Wearing Course and ASTM C1471 Standard Guide for Use of High Solids Content Cold Liquid-Applied Elastomeric Waterproofing Membrane on Vertical Surfaces.

6.4 Vertical wall terminations should be made a minimum 6" (15 cm) above the finish grade or brick ledge when connecting to an air/vapor barrier beneath an exterior facade. For applications where the concrete wall is to be exposed above grade, terminate no more than 2" (5 cm) below grade. The waterproofing systems should terminate a minimum of 12" (30 cm) below the lower floor line or on top of the footing a minimum of 6" (15 cm) out from the wall. When terminating below the lower floor line or on top of the footing, do not terminate the waterproofing system above the drainage collection level. The waterproofing system should

overlap a minimum of 24" (60 cm) onto intersecting walls columns or counterforts.

6.5 The vertical waterproofing system should connect with the below slab waterproofing and air barrier systems when used. When the same system or compatible materials are used, they may overlap. When connecting with a horizontal plaza, make sure the materials are compatible prior to installation. Contact your local Tremco Sales Representative or Technical Services.

6.6 An approved protection course and/or TREMDrain Series drainage mat may be placed after membrane is cured to a firm rubber set, minimum of 12 hr at 75 °F (23 °C), 50% RH.

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