Tremco, Inc. Commercial Sealants and Waterproofing

Section 09 96 53

ELASTOMERIC COATINGS

The accompanying guide specification has been prepared by Tremco Incorporated according to principles established in the Manual of Practice published by The Construction Specifications Institute. It is provided to assist design professionals, building owners and others in the preparation of a specification section covering installation of elastomeric coatings for concealed building components in critical areas such as those subject to hydrostatic pressure or occupied by personnel vehicles or equipment. It may be used in conjunction with most commercially available master specification sections with minor editing as the basis for developing a project specification or an office master specification.

Please contact your nearest Tremco Sales Representative or Tremco Incorporated at 1 800-852-8173 for additional information or design assistance.

SECTION 09 96 53 – ELASTOMERIC COATINGS

1. GENERAL
   * + 1. Related Documents
          1. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
       2. SUMMARY
          1. Section Includes:

Surface preparation and application of water-based, elastomeric waterproofing coating.

* + - 1. SUBMITTALS
         1. Product Data: For each type of product indicated.
         2. Samples for Initial Selection: For each type of Wall coating indicated.
         3. Product List: For each product indicated, including the following:

Cross-reference to coating system and locations of application areas. Use same designations indicated on Drawings and in schedules.

Manufacturer's recommended spreading rate for each separate coat, including primers and block fillers for each type of substrate as applicable.

* + - 1. QUALITY ASSURANCE
         1. Mockups:

Install at Project site or pre-selected area of building an area for field sample, minimum 4 feet by 4 feet (1.2m by 1.2m), using specified material.

Apply material in accordance with manufacturer’s written application instructions.

Manufacturer’s representative or designated representative will review technical aspects; surface preparation, repair, and workmanship.

Field sample will be standard for judging workmanship on remainder of Project.

Maintain field sample during construction for workmanship comparison.

Do not alter, move, or destroy field sample until Work is completed and approved by Owner.

7. Obtain Owners written approval of field sample before start of material application, including approval of aesthetics, color, texture, and appearance.

Perform adhesion test in accordance with ASTM D3359, Method A. Minimum adhesion rating of 4A required on 0 to 5 scale.

* + - 1. DELIVERY, STORAGE, AND HANDLING
         1. Store materials not in use in tightly covered containers in well-ventilated areas with ambient temperatures continuously maintained at not less than 45°F.

Maintain containers in clean condition, free of foreign materials and residue.

Remove rags and waste from storage areas daily.

* + - 1. PROJECT CONDITIONS
         1. Do not Apply coatings only when temperature of surfaces to be coated and ambient air temperatures are below 40° or expected to be below 40° within 24 hours after application.
         2. Do not apply coatings in snow, rain, fog, or mist; when relative humidity exceeds 85% or to damp or wet surfaces or when rain is expected within 24 hours of application.
         3. Allow wet surfaces to dry thoroughly and attain temperature and conditions specified before starting or continuing coating operation.
         4. Do not apply over moving cracks, control or expansion joints.
         5. Do not apply on Horizontal Surfaces that will receive traffic.
         6. Apply according to manufactures application instructions and recommendations.
      2. WARRANTY
         1. Manufacturer's single source standard form warranting material within specified warranty period.

Warranty Period: Ten years from date of Substantial Completion.

1. PRODUCTS
   * + 1. MANUFACTURERS
          1. Provide products from the following manufacture:

Tremco Commercial Sealants & Waterproofing

* + - * 1. Ensure all Wall Coatings and Exterior Joint Sealants are provided from a single source.
      1. OTHER MATERIALS
         1. Crack Fillers: Wall coating manufacturer's recommended crack fillers or sealants, including crack filler primers, compatible with substrate and other materials indicated; VOC content complying with limits of authorities having jurisdiction.
         2. Joint Sealants: Single or multi-component polyurethane sealants, supplied by coating manufacturer.

Dymonic 100

illmod 600

Spectrem 1

Spectrem Simple Seal

* + - * 1. Primer: Wall coating manufacturer's recommended, factory-formulated, alkali-resistant primer compatible with substrate and other materials indicated.

TREMGard H/P Primer

* + - * 1. Concrete Unit Masonry Block Filler: Elastomeric coating manufacturer's recommended, factory-formulated, high-performance latex block filler compatible with substrate and other materials indicated.

VOC Content: 100 g/L or less.

TREMGard Masonry Primer.

1. EXECUTION
   * + 1. EXAMINATION
          1. Protection: Protect adjacent Work areas and finish surfaces from damage during coating application.
          2. Prepare surfaces in accordance with manufacturer’s instructions.
          3. Ensure that substrate is sound, clean, dry, and free of dust, dirt, oils, grease, laitance, efflorescence, mildew, fungus, biological residues, and other contaminants that could prevent proper adhesion.
          4. Ensure concrete substrates have a minimum 28-day cure and are free of bond-inhibiting contaminants.
          5. Clean surface to achieve texture similar to medium grit sandpaper.
          6. Repair holes and spalled and damaged concrete with repair materials approved by coating manufacturer.
          7. Remove protruding concrete accessories and smooth out irregularities.
          8. When chemical cleaners are utilized, neutralize compounds and fully rinse surface with clean water. Allow surface to dry before proceeding.
          9. Remove blisters and delaminated areas and sand edges to smooth rough areas and provide transition to existing paint areas.
          10. Check adhesion of existing paint in accordance with ASTM D 3359, measuring adhesion by Tape Method A.
          11. Treat cracks greater than 1/32 inch (0.8mm) with approved patching compound or Approved Tremco Sealant.
          12. Treat cracks greater than 1/4 inch (6mm) as expansion joints and fill with sealant approved by coating manufacturer.
          13. Prepare and treat cracks in accordance with manufacturer’s instructions.
       2. PREPARATION
          1. Comply with manufacturer's written instructions applicable to substrates and coating systems indicated.
       3. APPLICATION
          1. Apply coatings according to manufacturer's written instructions per the project.

Use equipment and techniques best suited for substrate and type of material being applied.

Coat surfaces behind movable items the same as similar exposed surfaces.

Apply as a 2 coat system according to manufacturer's written instructions

Maintain proper uniform wet-film thickness during application to ensure performance characteristics desired.

Apply coating using consistent application techniques to achieve uniform color and texture.

* + - * 1. Primers: Apply at a rate to ensure complete coverage.
        2. Block Fillers: Apply at a rate to ensure complete coverage with pores filled.
        3. Mixing: Mix coating in accordance with manufacturer’s instructions to ensure uniform color and aggregate disbursement and to minimize air entrapment.
        4. In multi-pail applications, mix contents of each new pail into partially used pail to ensure color consistency and smooth transitions from pail to pail.
      1. CLEANING AND PROTECTING
         1. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.

END OF SECTION