



TeifsLastic

Elastomeric Wall Coating Specifications

PART 1: GENERAL

1.01 SCOPE

- A. Provide all labor, materials, and equipment necessary to provide installation of TeifsLastic Elastomeric Coating.
- B. System Description:
The TeifsLastic Elastomeric Coating System for exterior concrete, stucco, and masonry walls is manufactured by ParexLahabra. The system consists of a minimum 12 mil (18-20 mils wet) dry film thickness coating of TeifsLastic Elastomeric Coating over properly prepared stucco, concrete, or masonry.
- C. Related Sections:
 - 1. Unit Masonry 04200
 - 2. Concrete 03300
 - 3. Sealants 07900

1.02 SUBMITTALS

- A. Product data:
 - 1. Furnish applicable MSDS and literature for each product.
 - 2. Submit manufacturer's technical data including specifications, installation instructions and test data.
 - 3. Submit samples of the proposed coating to the architect and/or owner for approval.
- B. Mock-up: Apply Teifs Lastic to a minimum 6 in. (152.4 mm) x 6 in. (152.4 mm) area of the actual job in order to establish a standard of acceptance by the owner and architect.

1.03 PRODUCT DELIVERY AND STORAGE

- A. Deliver to job site all materials in unopened, undamaged containers, clearly marked and identified with manufacturer's name and description of contents.
- B. Store all products in a cool, dry place out of direct sunlight, protected from weather and other damage. In addition, liquid materials shall be stored at a temperature not less than 40°F (4°C) at all times.

1.04 JOB CONDITIONS

- A. Weather Conditions:
The ambient air temperature shall be a minimum of 40°F (4°C) and rising at the time of installation

of the coating and shall remain above this temperature for at least 24 hours.

- B. Protection of Work:
Adjacent or incidental surfaces and the coating itself shall be protected from weather and other damage during application and drying.

1.06 WARRANTY

- A. Limited Materials Warranty: Furnish written limited warranty on materials from ParexLahabra, commencing on Date of Substantial Completion.
- B. Limited Labor Warranty: Furnish written limited warranty against defects in workmanship from the Listed Teifs Applicator, commencing on Date of Substantial Completion.

PART 2: PRODUCTS

2.01 QUALITY ASSURANCE

- A. Qualifications:
 - 1. System Manufacturer: ParexLahabra.
 - 2. Materials shall be third party certified by the Teifs Manufacturers Verification Program to ensure that the manufactured materials are the same composition as tested materials.
 - 3. Applicator:
 - a. Company specializing and experienced in performing the work of this section approved by the coating manufacturer.
 - b. Must be Listed by the manufacturer.
- B. Design and Detailing:
 - 1. General: The exterior stucco, concrete or masonry walls shall be completely coated with a minimum dry film thickness of 12 mils of TeifsLastic.
 - 2. Substrates:
 - a. The contractor needs to verify that substrates comply with system manufacturer's requirements for type, tolerance, soundness of construction and conformance to contract documents.
 - b. Application of TeifsLastic shall be to the following substrates when properly prepared:
 - 1) Unpainted, sound stucco.
 - 2) Concrete.
 - 3) Unit Masonry.
 - 4) Unglazed Brick.



- 5) Painted surfaces of concrete, stucco, masonry or brick.
 - 6) Exterior Insulation and Finish System. (Contact ParexLahabra for specific application over painted substrates.)
 - 7) Teifs One-Coat Stucco (See Teifs One-Coat Specifications)
- c. Substrates other than those listed above must be approved by ParexLahabra prior to coatings application.

2.02 MATERIALS

- A. Elastomeric Coating - TeifsLastic Elastomeric Coating.
- B. TeifsShield Alkali Resistant Primer.

PART 3: EXECUTION

3.01 SUBSTRATE PREPARATION

- A. Existing Construction:
 1. Removal of Algae and Mildew: All mildew and algae must be removed from the substrate with a solution of 1 tablespoon of tri-sodium phosphate and 2 pints of liquid bleach in 1 gallon of water (0.125 to 0.25 liters per liter of water). Rinse thoroughly with clear water.
 2. Glazed or Glossy Surfaces: Dull glossy or glazed surfaces by sanding, wire-brushing or other means to ensure adequate adhesion of the TeifsLastic Coating.
 3. Previously Coated Surfaces: All previously coated surfaces must be pressure cleaned to remove all chalk, dirt, dust, latence, previous coatings with poor adhesion to the substrate, foreign materials, etc. Allow surface to dry thoroughly (minimum 24 hours) prior to application of any sealers, primers, or coatings.
 4. Repair delaminated, gouged, chipped and spalled areas in the stucco, concrete or masonry with a cementitious patching mortar recommended by ParexLahabra.
 5. Crack Repair:
 - a. Hairline cracks (up to 1/32 in. (0.79 mm) wide):
 - 1) TeifsLastic Coating will bridge hairline cracks up to 1/32 in. (0.79 mm) wide
 - b. Cracks up to 1/8 in. (3.18 mm) wide:
 - 1) All loose material must be removed, crack must be clean and dry.
 - 2) Bridge crack with either textured knife grade, or brush grade latex patching compound. Apply approximately 1/4 in. (6.35 mm) thick directly over the crack,

- then feather out to a minimum of 4 in. (101.6 mm) on each side of the crack.
- c. Cracks more than 1/8 in. (3.18 mm) wide, up to 1/4 in. (6.35 mm) wide:
 - 1) Chip or grind out to a minimum of 1/4 in. (6.35 mm) wide, 1/4 in. (6.35 mm) deep.
 - 2) All loose material must be removed, crack must be clean and dry.
 - 3) Fill crack with textured knife grade latex patching compound or a recommended latex sealant.
 - d. Dynamic or moving cracks, 1/16 in. (1.59 mm) to 1/2 in. (12.25 mm) wide:
 - 1) Chip or grind out to make as wide as the depth of the crack, or minimum 1/4 in. (6.35 mm) wide.
 - 2) All loose material must be removed, crack must be clean and dry.
 - 3) Fill crack with recommended elastomeric patching compound. Tool into joint and allow to cure minimum 24 hours prior to top dressing.
 - 4) Bridge crack with a final coat brush grade latex patching compound. Apply approximately 1/4 in. (6.35 mm) thick directly over the crack, then feather out to a minimum of 4 in. (101.6 mm) on each side of the crack.
 6. Dissimilar Substrates: TeifsLastic will not bridge dissimilar substrates. An expansion joint must be installed.
 7. Window Caulking and Perimeter Joints:
 - a. Recaulk as required for waterproofing with Dow Corning 790, 791, or 795, Sil Pruf, Sil Pruf LM, or Pecora Dynatrol II.
 - b. Allow sealant to cure before proceeding.
 - B. New Construction:
 1. Concrete and Stucco (1-3 days cured): 1 coat Teifs Quikcure, 1-2 coats of TeifsLastic Wall Coating.
 2. Concrete and Stucco (Greater than 3 days cured): 1 coat TeifsShield Alkali Resistant Primer, 1-2 coats of TeifsLastic Wall Coating.
 3. Concrete Block, CMU, Split Face Block: 1 coat TeifsBlockfiller or 1 coat TeifsShield Alkali Resistant Primer, 2 coats TeifsLastic Wall Coating.
 4. New Masonry Surfaces: 1 coat TeifsShield Alkali Resistant Primer, 1-2 coats TeifsLastic.

3.02 INSPECTION OF THE SUBSTRATE PREPARATION

All patch and primer materials shall be allowed to dry or cure for the minimum recommended cure time prior to overall coating with TeifsLastic Coating. Prior to final overall application of the coating, the substrate shall be inspected for compliance with the contract documents and specifications. The General Contractor and Architect shall be advised of all discrepancies. Work shall not proceed until the unsatisfactory conditions are corrected.

3.03 APPLICATION

- A. TeifsShield Alkali Resistant Primer:
Apply using a brush, paint roller or spray equipment at an application rate controlled according to substrate variations to prevent excessive buildup.
- B. TeifsLastic Coating:
 - 1. Brush Application: Brush application is recommended for areas which cannot be reached with spray applications or a roller. These areas should be cut in first with the brush prior to spray or roller application. Touching up with a brush over sprayed or rolled applications is not recommended. A nylon bristle is recommended.
 - 2. Spray Application:
 - a. Application by airless spray equipment or mastic pump and gun allows application of coating at total required application rate with a minimum of stipple or thickness variations.
 - b. Equipment should have the capacity to pump a minimum of 2 gallons of coating per minute.
 - c. Material hose should be minimum of 1/2 in. I.D. for spraying coating more than a 50 foot length. Minimum bursting of 800 lbs. is recommended.
 - d. Tip orifice sizes of 0.021-0.032 may be required depending on equipment used.
 - e. Cross apply coating holding the spray gun perpendicular to and approximately three feet from the surface. Avoid excessive material buildup by holding spray gun away from the wall when pulling the trigger, then bringing gun across area to be coated. Maintain a wet edge and avoid starting and stopping in the middle of the wall. Do not attempt to over reach spray pattern as this may result in appearance of irregular spray pattern. Place scaffolding and equipment to facilitate quick application without numerous interruptions.

- f. 10% loss from overspray should be anticipated.
 - g. Backrolling over sprayed areas is recommended to control pinholing on spray applications over porous surfaces.
 - h. All sprayed applications must be free of pinholes to ensure weather resistant performance.
 - i. Achieve a minimum dry film thickness of 12 mils for full warranted weather resistant performance.
3. Roller application:
- a. Minimum 10 in. wide roller covered with 1-1/4 in. (31.7 mm) to 1-1/2 in. (38.1 mm) nap is recommended.
 - b. Completely saturate the roller cover and keep the roller loaded with coating to avoid foaming from a dry roller. Do not dry-roll or over-roll as this will cause excessive entrapment of air within the coating. Spread the coating from the roller in a fan-like pattern. and while coating is still wet, lay off a final roller pass in one direction with a roller to achieve smooth appearance and uniform film thickness.
 - c. Achieve a minimum dry film thickness of 12 mils for full warranted weather resistant protection. Two coat applications are recommended for improved film thickness uniformity.

3.04 INSPECTION

- A. Wet film Thickness Inspection: Inspect for uniformity of application rate often during application.
- B. Dry Film Thickness Inspection: Inspect for pinholes, holidays, and conformance with minimum film thickness requirements.

3.05 CLEAN UP

- A. Equipment: Clean spray equipment, brushes, roller covers, etc. immediately after use with clean, lukewarm water and rinse thoroughly. Spray equipment may also be flushed with mineral spirits to minimize down-time.
- B. Spills/Overspray: Clean immediately with lukewarm, soapy water and rinse areas thoroughly.

Warning: Cracks in stucco that occur after application of the coating greater than 1/32 in. (0.80 mm) may appear through the coating



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Specifications



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