



TeifsLASTIC

Specifications Guide

**An Elastomeric Exterior Coating providing
a wide choice of colors, protection from the weather and
easy maintenance.**

Ideal for new exterior and existing structures.

TEIFSLASTIC® ELASTOMERIC COATING GUIDE SPECIFICATION

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 stucco, concrete and masonry walls is manufactured by Teifs Wall Systems. The system consists of a minimum 16 mil 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 QUALITY ASSURANCE

- A. Qualifications:
 - 1. System Manufacturer: Teifs Wall Systems.
 - 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 approved 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 16 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 Teifs for specific application over painted substrates.)
 - 7) TeifsONE-COAT STUCCO (see Teifs One-Coat Specifications)
 - c. Substrates other than those listed above must be approved by Teifs prior to coatings application.

1.03 SUBMITTALS

- A. Product Data:
 - 1. Furnish applicable MSDS and literature for each system component.
 - 2. Submit manufacturer's technical data including specifications, application instructions and test data.
 - 3. Submit samples of the proposed coating to the architect and/or owner for approval.
- B. Mock Up: Apply TeifsLASTIC® to a minimum 6" x 6" area of the actual job in order to establish a standard of acceptance by the owner and architect.

1.04 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.

1.05 JOB CONDITIONS

- A. Weather Conditions:
 - 1. Accessory Products: Accessory products must be applied within temperature and relative humidity limitations established by the manufacturer.
 - 2. TeifsLastic® Elastomeric Coating:
 - a. 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. The ambient air temperature shall be a maximum of 95 °F (31 °C) at the time of installation of the coating and shall remain below this temperature for at least 24 hours.
 - c. The relative humidity must be below 90% for application.
- 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 Teifs, commencing on Date of Substantial Completion.
- B. Limited Labor Warranty: Furnish written limited warranty against defects in workmanship from the Licensed Teifs Applicator, commencing on Date of Substantial Completion.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Elastomeric Coating - TeifsLASTIC® Elastomeric Coating.
- B. TeifSHIELD ALKALI RESISTANT PRIMER.
- C. TeifsBLOCKFILLER - Acrylic Concrete, Blockfiller, Primer.

2.02 MIXING AND TINTING

- A. TeifsLASTIC® Coating: A swift mixer for 5 gallon pails is recommended. Avoid the use of high speed shakers when tinting. High speed shakers can cause excessive air entrainment, affecting waterproofing performance.
- B. Teifs recommends no more than 5 oz. per gallon of universal tinting colors be added to any pastel.
- C. Teifs will not supply dark or neutral colors in TeifsLASTIC® Wall Coatings.

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 (.125 to .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, gauged, chipped and spalled areas in the stucco, concrete or masonry with a cementitious patching mortar recommended by Teifs.
 - 5. Crack Repair:
 - a. Hairline cracks (up to 1/32" wide):

- 1) TeifsLASTIC® Coating will bridge hairline cracks up to 1/32" wide.
- b. Cracks up to 1/8" 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" thick directly over the crack, then feather out to a minimum of 4 inches on each side of the crack.
- c. Cracks more than 1/8" wide, up to 1/4" wide:
 - 1) Chip or grind out to a minimum of 1/4" wide, 1/4" 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" to 1/2" wide:
 - 1) Chip or grind out to make as wide as the depth of the crack, or minimum 1/4" 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" thick directly over the crack, then feather out to a minimum of 4 inches 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 (Less than 3 days cured):
1 Coat TeifSHIELD ALKALI RESISTANT PRIMER, 1-2 coats of TeifsLastic® Wall Coating.
 2. Concrete and Stucco (Greater than 3 days cured):
1 Coat TeifSHIELD ALKALI RESISTANT PRIMER, 1-2 coats of TeifsLASTIC® Wall Coating.
 3. Concrete Block, CMU, Split Face Block:
1 Coat of TeifsBLOCKFILLER or 1 coat TeifSHIELD ALKALI RESISTANT PRIMER, 2 coats TeifsLASTIC® Wall Coating.
 4. New Masonry Surfaces:
1 Coat TeifSHIELD ALKALI RESISTANT PRIMER, 1-2 Coats TeifsLASTIC®.
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 1/2" I.D. for spraying coating more than a 50 foot length. Minimum bursting of 800 lbs. is recommended.
 - d. Tip orifice sizes of .021-.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 12-16 mils for full warranted weather resistant performance.
3. Roller application:
 - a. Minimum 10" wide roller covered with 1-1/4" to 1-1/2" 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 wet roller to achieve smooth appearance and uniform film thickness.
 - c. Achieve a minimum dry film thickness of 12-16 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.

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. TeifSHIELD 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.

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



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This information is designed to guide you and has been conscientiously compiled according to the latest state of our technology. No liability can be accepted in connection with the use of the product because of the great variety of applications and working conditions.

WARNING:

This product is a component part of a complete TEIFS WALL SYSTEM. Specifications require that only approved, trained or otherwise knowledgeable applicators install such systems. TEIFS cannot be responsible for deterioration of the substrate, mold, mildew and wood rot due to water intrusion or entrapment from causes such as improperly installed windows; windows that leak at the miter joints, mullions, or through improperly installed glazing; improper flashing, lack of flashing or use of improper flashing materials; use of improper sealants; or inadequate specifications, details or installation of the TEIFS WALL SYSTEM. Sealants and flashing will also deteriorate over time if not maintained. Maintenance of the TEIFS WALL SYSTEM is required. No exterior insulation finish system should be installed on a residential project, (or any other projects as required by the applicable model code), without providing for a secondary weather resistant barrier.