



Teifs WeatherSeal Specifications

CSI SECTION 07 27 26

CSI SECTION 07 27 26 - Trowel Applied Waterproof Membrane & Air Barrier

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Manufacturer's requirements for the proper design, use, and installation of the Installation of TeifsWeatherseal.

1.2 RELATED SECTIONS

- A. Section 03 30 00 - Cast-in-Place Concrete
- B. Section 04 20 00 - Unit Masonry
- C. Section 06 16 00 - Sheathing
- D. Section 07 62 00 - Sheet Metal Flashing and Trim
- E. Section 07 90 00 - Joint Protection
- F. Section 08 50 00 - Windows
- G. Section 09 21 16 - Gypsum Board Assemblies

1.3 REFERENCES

- A. ASTM B117 - Test Method for Salt Spray (Fog) Testing
- B. ASTM C1135 - Test Method for Determining Tensile Adhesion Properties of Structural Sealants
- C. ASTM D2247 - Practice for Testing Water Resistance of Coatings in 100 Percent Relative Humidity
- D. ASTM E84 - Test Method for Surface Burning Characteristics of Building Materials
- E. ASTM E331 - Test Method for Water Penetration by Uniform Static Air Pressure Difference
- F. ASTM E695 - Method for Measuring Relative Resistance to Impact Loading
- G. ASTM E2134 - Standard Test Method for Evaluating the Tensile-Adhesion Performance of an Exterior Insulation and Finish System (EIFS)
- H. ASTM E2485 - Standard Test Method for Freeze/Thaw Resistance of Exterior Insulation and Finish Systems (EIFS) and Water Resistive Barrier Coatings
- I. ASTM G155 and G153 - Accelerated Weathering for Exposure of Nonmetallic Materials

1.4 SYSTEM DESCRIPTION

- A. Description of TeifsWeatherseal:
 - 1. 100% acrylic based trowelable water-proof membrane and air barrier. Designed for use as water resistive barrier and air barrier behind EIFS and other claddings. This product is installed over glass mat gypsum sheathing, cement board sheathing, CDX plywood, OSB*, concrete or CMU. *The system is qualified for application to OSB (oriented strand board) sheathing only in areas shown in the ParexLahabra Acceptable Substrates and areas of use Technical Bulletin.

B. Functional Criteria:

1. General:

- a. Flashing: Flashing shall be continuous and watertight. Flashing shall be designed and installed to prevent water infiltration behind the EIFS. Refer to Division 07 Flashing Section for specified flashing materials.
- b. The configuration of the water resistive barrier, drainage plane and flashing and ParexLahabra materials, must allow for the egress of incidental moisture.

2. Performance Requirements

- a. System to meet the performance and testing requirements of the International Code Council Acceptance Criteria AC 212 and ASTM E2570.

TeifsWeatherseal	Method	Results
Accelerated Weathering	AATCC 127	Pass: no water penetration
Air Leakage	ASTM E283	< 0.004 cfm/ft2
Freeze-Thaw	ASTM E 2485	Pass
Restrained Environmental	ICC ES AC 212	Pass
Surface Burning Characteristics	ASTM E84	Pass
Tensile Bond Strength	ASTM E 2134/ ASTM C 297	Pass all listed substrates and flashing materials
Water Resistance	ASTM D 2247	Pass
Water Penetration	ASTM E331	Pass
Water vapor transmission	ASTM E96	Permeable
Weathering	ICC ES AC 212	Pass

1.5 SUBMITTALS

- A. General: Submit Samples, Evaluation Reports and Certificates in accordance with Division 01 General Requirements Submittal Section.

1.6 QUALITY ASSURANCE

A. Qualifications:

- 1. All materials shall be manufactured or sold by ParexLahabra and shall be purchased from ParexLahabra or its authorized distributor.
- 2. Applicator:
 - a. Shall have attended a ParexlahabraEducational Seminar.
 - b. Shall possess a current certificate of education.
 - c. Shall be experienced and competent in installation of plaster-like materials.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver TeifsWeatherseal in original packaging with manufacturer's identification.
- B. Storage: Store materials supplied by Parexlahabra in a cool, dry location, out of sunlight, protected from weather and other harmful environment, and at a temperature above 40°F (4°C) and below 110°F (43°C) in accordance with manufacturer's instructions.

1.8 PROJECT / SITE CONDITIONS

- A. Installation Ambient Air Temperature: Minimum of 40°F (4°C) and rising, and remain so for 24 hours thereafter.
- B. Substrate Temperature: Do not apply Parexlahabra materials to substrates whose temperature are below 40°F (4°C) or contain frost or ice.
- C. Inclement Weather: Do not apply Parexlahabra materials during inclement weather, unless appropriate protection is employed.
- D. Parexlahabra materials shall not be applied if ambient temperature exceeds 120°F (49°C) or falls below 40°F (4°C) within 24 hours of application. Protect base coat from uneven and excessive evaporation during hot, dry weather.
- E. Prior to installation, the wall shall be inspected for surface contamination, or other defects that may adversely affect the performance of the Parexlahabra materials and shall be free of residual moisture.

1.9 COORDINATION AND SCHEDULING:

- A. Coordination: Coordinate TeifsWeatherseal installation with other construction operations.

1.10 WARRANTY

- A. Warranty: Upon request, at completion of installation, provide Parexlahabra Standard Limited Warranty.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturer: Parexlahabra, Inc., 4125 E. LaPalma Ave., Suite 250, Anaheim, CA 92807
- B. Components: Obtain components from authorized distributors. No substitutions or additions of other materials are permitted without prior written permission from Parexlahabra for this project.

2.2 MATERIALS

- A. Water-Resistive Barrier Coating:
 - 1. TeifsWeatherseal: A non-cementitious, 100% acrylic trowelable air/weather barrier.
 - 2. Joint Reinforcing Fabric: 4-inch strips of open weave fiberglass mesh tape.
 - 3. Flashing Membrane: Self sealing, Polyester backed, rubberized asphalt membrane, 30 mils (0.76 mm) thick.

2.3 RELATED MATERIALS AND ACCESSORIES

- A. Substrate Materials:
 - 1. Glass mat gypsum sheathing conforming to ASTM C1177.
 - 2. Cement Fiber Sheathing conforming to ASTM C1186
 - 3. Gypsum Sheathing: Minimum 1/2 in (13 mm) thick, core-treated, weather-resistant, exterior gypsum sheathing complying with ASTM C79.
 - 4. Plywood: Minimum 7/16 in (8 mm) thick exterior grade or PS 1, Exposure 1, minimum 7/16 in thick, C veneer facing out, panels gapped 1/8 in at all edges.
 - 5. Oriented Strand Board (OSB): 7/16" - 1/2" Wall-16 or Wall-24, approved by the APA, TECO, or PSI/PTL. Stamped as Exposure 1 or Exterior Sheathing with a PS2 or PRP-108 rating.
 - 6. Concrete Masonry Units (CMU): Non-painted (uncoated).
 - 7. Concrete (poured or pre-cast).
 - 8. Other Approved by ParexLahabra in writing prior to the project.
- B. Flashing: Refer to Division 07 Flashing Section for flashing materials.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify project site conditions under provisions of Section 01 00 00.
- B. Compliance: Comply with manufacturer's instructions for installation.
- C. Substrate Examination: Examine prior to TeifsWeatherseal installation as follows:
 - 1. Substrate shall be of a type approved by ParexLahabra . Plywood and OSB substrates shall be gapped 1/8 in (3.2 mm) at all edges. Plywood and OSB substrates cut edges (non-factory edges) must be sealed with a ParexLahabra water-resistive coating.
 - 2. Substrate shall be examined for soundness, and other harmful conditions.
 - 3. Substrate shall be free of dust, dirt, laitance, efflorescence, and other harmful contaminants.
 - 4. Substrate construction in accordance with substrate material manufacturer's specifications and applicable building codes.
 - 5. Maximum deflection of the substrate shall be determine by the requirements of the exterior cladding.
- D. Flashing: Flashing should be installed prior to the TeifsWeatherseal and the TeifsWeatherseal incorporated with the flashing to create positive drainage.
- E. Advise Contractor of discrepancies preventing installation of the TeifsWeatherseal. Do not proceed with the work until unsatisfactory conditions are corrected.

3.2 PREPARATION

- A. Protection: Protect surrounding material surfaces and areas during installation of system.
- B. Clean surfaces thoroughly prior to installation.
- C. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 MIXING

- A. Mix Parexlahabra proprietary products in accordance with manufacturer's instructions.

3.4 APPLICATION

- A. General: Installation shall conform to this specification and Teifs written instructions.
 - 1. Flash all rough openings with TeifsWeatherseal embedded with Joint Reinforcing Fabric or Polyester backed Peel and Stick Flashing Membrane.
 - 2. Apply 4-inch strips of reinforcing fabric to all sheathing joints, inside and outside corners and all exposed edges at terminations
 - 3. Embed 4-inch strips of minimum 4-oz Reinforcing mesh by applying TeifsWeatherseal per application instructions to 4-inch of each side of the joints and embed the reinforcing mesh with a stainless steel trowel so that the color of the mesh is not visible.
 - 4. Apply TeifsWeatherseal to the entire surface of the substrate with a stainless steel trowel to a minimum wet thickness of 1.6-mm (1/16-inch).
 - 5. Ensure that the TeifsWeatherseal laps onto all tracks and flashing to allow for any water to be drained into the tracks/flashing.

3.5 CLEAN-UP

- A. Removal: Remove and legally dispose of Parexlahabra component debris material from job site.
- B. Clean surfaces and work area of foreign materials resulting from Parexlahabra installations.

3.6 PROTECTION

- A. Provide protection of installed materials from water infiltration into or behind them.
- B. Provide protection of installed stucco from dust, dirt, precipitation, and freezing during installation.
- C. Provide protection of installed finish from dust, dirt, precipitation, freezing and continuous high humidity until fully cured and dry.
- D. Clean exposed surfaces using materials and methods recommended by the manufacturer of the material or product being cleaned. Remove and replace work that cannot be cleaned to the satisfaction of the Project Designer/Owner.

END OF SECTION

Disclaimer: This guide specification is intended for use by a qualified designer. The guide specification is not intended to be used verbatim as an actual specification without appropriate modifications for the specific use intended. The guide specification must be integrated into and coordinated with the procedures of each design firm, and the requirements of a specific project.



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