



Thinset Exterior Surfacing System
"The Next Generation in Architectural Finishes"

- **Naturally breathable**—Transmits water vapor in both directions; water does not become entrapped; will not blister, peel or flake
- **Zero VOCs**—No atmospheric emissions and solvent-free, providing safety for workers and the environment
- **Adds a water-resistant barrier to the substrate**—Reduces or eliminates efflorescence, enhances hiding and uniformity of finish coat
- **Duracide™** integral anti-microbial kills mold, mildew and algae for more than 10 years
- **Polymer-enhanced**—Crack-resistant; endures freeze/thaw cycles
- **Superior surface preparation**—Eliminates surface imperfections and voids for better adhesion of finish coat, improves finish coat coverage
- **Green packaging**—Economical paper bags are easily disposable



Formulated Solutions LLC
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www.tessfinishes.com

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Patent Pending

PRIMER

TESS Primer seals TESS™ One Coat Stucco or other masonry walls to prevent efflorescence and ensure color uniformity in the finish coat. Typically tinted to match the finish coat, the primer, by sealing pores and surface imperfections, increases the yield of the finish thereby reducing the overall cost of the system. TESS Primer is packaged in easily recyclable paper bags, and requires water addition and stirring before application with a short-nap roller.

INSTALLATION

Approved Substrates: TESS One Coat Stucco and masonry walls.

Surface Preparation: Ensure that dust, laitance, loose or scaly mortar, or other foreign matter is removed from the substrate by mildly abrading the surface with a stiff bristle brush before applying TESS Primer.

Mixing: 1½ gallons (5.7 Liters) of clean, cool, potable water must be added to each 20-pound (9.1 kg) bag of TESS Primer. The best procedure is to pour all of the measured water (1½ gallons) into a clean, empty 5-gallon pail. Add half or more of the contents of the bag and stir with a 1/2-inch electric drill and mixing blade until smooth and lump-free. [Note: If a color cup addition (liquid pigment additive) is being used to achieve a specific color, add it now. After emptying the color cup into the mix, rinse the color cup with the mixed TESS slurry to ensure that the full amount of pigment is drained from the color cup; make certain that all pigment and water is emptied into the mix. If not using a color cup, omit this step.] Finally, add the remaining contents of the bag and mix well for approximately 2 minutes to ensure complete, homogenous mixing and color-uniformity. Working time is approximately 60 minutes depending on ambient conditions.

Application: Apply with short-nap roller over cured, pre-cleaned substrate. Leave no gaps, voids or bare spots. Apply uniformly and ensure the substrate is fully covered. Fill hairline cracks and surface imperfections with multiple or heavier coats as needed. Allow to dry fully before applying finish coat.

Curing: Under average drying conditions of 70°F (21°C) and 55% R.H., TESS Primer is ready to receive the finish coat application in 4 to 6 hours. Curing time is dependent on relative humidity and temperature. At lower temperatures, longer curing time may be necessary.

Limitations: Apply at temperatures above 40°F. Do not apply if rain is expected within 24 hours. Do not apply to frozen surfaces. Do not apply if temperature is below 40°F (4.4°C) or will fall below 40°F (4.4°C) within 24 hours after application. Not recommended for horizontal, below grade or water-immersed surfaces.

Packaging: 20 pound (9.1 kg) multi-walled paper bag of powder concentrate.

Colors: Available in all TESS Finish standard and custom colors.

Coverage: A 20-pound (9.1 kg) bag of TESS Primer mixed with 1½ gallons (5.7 Liters) of water yields 3½ gallons (13.2 Liters) of mixed primer which will cover approximately 490 square feet (45.5 square meters), or about 140 square feet per gallon (3.4 square meters per liter).

Meets ICC-ES Acceptance Criteria for Cementitious Exterior Wall Coatings (AC11).

Shelf Life: One year from date of manufacture in original sealed bag. Store bags in a cool, dry location out of direct sunlight. Do not store bags directly in contact with the ground or on concrete. Protect bags from weather and freezing.

Technical Assistance: Telephone Formulated Solutions Monday through Friday, 8:00 AM to 4:30 PM EST: (718) 267-6380 ext. 111 or FAX inquiry to (718) 204-6013.

Test Data

PHYSICAL PROPERTY	TEST	RESULTS
Accelerated Weathering	ASTM G153, 2000 hours	No cracking or chalking
Freeze Thaw Resistance	ICC ES AC 235	No cracking or erosion
Water Penetration	ASTM E331-00	No water penetration at 2.86 psf pressure differential
Structural Performance	ASTM E330, procedure B	Positive load, 185 psf Negative load, 64 psf
Bond Strength	ASTM C297-94	20 psi, foam failure
Rust Resistance	ASTM B117-90, 500 hours	No rust; No damage to the coating
VOC		0



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Notice and Warranty Disclaimer: Formulated Solutions (FS) products are intended for use by qualified professional contractors, not D-I-Y consumers or handy-men. TESS™ Systems and/or components must be specified by a qualified design professional, general contractor or builder as an element of a larger construction project. It must be installed in accordance with FS's instructions, the designer's specifications and local building code. Improper use of FS products or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to this product, and to the structure of the building or its components.

FS disclaims all, and assumes no, liability for • products improperly applied by unqualified persons or entities • an improperly designed or constructed building • the nonperformance of adjacent building components or assemblies • other construction activities beyond FS's control • on-site inspections.

FS has provided the enclosed Instructions and Recommendations (I/R) to assist the USER in the application of this product. These I/Rs are not warranted to be comprehensive, complete, thorough or conclusive as regards any

specific installation. It is the USER'S obligation to ensure that the product is suitable for its intended use and that it is compatible with existing conditions or applications of other coincident or adjoining materials. The liability of the SELLER and MANUFACTURER, whether express or implied, whether in contract or in tort, arising out of warranties, representations, instructions or defects from any cause shall be limited exclusively to replacing the product, provided the same is proved defective, or refunding the purchase price upon return of the unused product. In no event will SELLER or MANUFACTURER be liable for consequential damages, including but not limited to loss of materials, costs of labor, loss of profits, costs of replacement goods, or other commercial loss. The USER accepts the product AS IS, and without warranties express or implied. Subject to FS approval, certain installations of TESS may be eligible for a limited warranty provided by FS. For further information, please contact your Distributor.

For the most current and complete information on proper application, clean-up, mixing, specifications, warranties, cautions and disclaimers, please refer to the company manual or our website at www.tessfinishes.com.



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