



TAMMS STUCCO FINISH

Water Resistant Decorative Coating

09220

PORTLAND CEMENT PLASTER FINISHES

TAMMS INDUSTRIES
NOVEMBER 2003 (Replaces 4/02)

1. **DESCRIPTION:** TAMMS STUCCO FINISH is a textured, portland cement based stucco finish coat. TAMMS STUCCO FINISH meets the requirements of ASTM C926 and ANSI A42.2.

FEATURES AND BENEFITS

- *Textured stucco finish coat*
- *Weatherproof and decorate concrete and masonry*
- *Mixes easily with potable water*
- *Trowel or spray apply*
- *Available in pre-mixed colors*
- *High durability*
- *Consistent uniformly colored finish*
- *Excellent bond*
- *Fiber reinforcement available for increased flexural strength and crack resistance*

APPLICATIONS

Exterior or interior

- *Formed or precast concrete*
- *Masonry*
- *Stone*
- *Brick*
- *Cement plaster, stucco brown coats*

2. **COLORS:** TAMMS STUCCO FINISH is available in a wide range of colors. Standard colors are Adobe, Oyster, Sand and White. Special and custom colors are also available subject to minimum order quantities and up charges. See the Industrial & Decorative Color Card or contact the Tamms Technical center for details.

3. **SURFACE PREPARATION:** Cure new concrete 28 days. Cracks, voids and holes on old concrete should be repaired prior to application of TAMMS STUCCO FINISH. The surface must be structurally sound, clean, free of dirt, paint, laitance, efflorescence and other contaminants. For maximum bond, apply HORNWELD to smooth, dense or non porous substrates prior to applying TAMMS STUCCO FINISH. Dampen the substrate NOT coated with HORNWELD with potable water prior to applying TAMMS STUCCO FINISH. If the substrate has been treated with HORNWELD, no water is required. Consult ANSI A42.2, A42.3 and ASTM C926 for surface preparation on scratch and brown coat applications requiring metal reinforcement.

4. **MIXING INSTRUCTIONS:** One 80 pound bag (36.3 kg) of TAMMS STUCCO FINISH will require approximately 8 quarts of potable water or mixing liquid (7.57L) to produce a trowel consistency. A spray consistency may require up to an additional one quart

(0.95L) of liquid. In either mix, the quantity of liquid used must be uniform from batch to batch. Mix TAMMS STUCCO FINISH in a slow speed rotary mixer equipped with rubber tipped blades. High speed or prolonged mixing will entrap excess air.

4.1 With the mixer running, add 1/2 of the required liquid and slowly add the bag of the TAMMS STUCCO FINISH.

4.2 Add additional liquid to produce a smooth, workable consistency. Continue mixing for 3 to 5 minutes.

4.3 Stop the mixer, and allow the material to "fatten" for approximately 5 to 10 minutes.

4.4 Start the mixer and blend for an additional 1 to 2 minutes. Add liquid as needed to achieve desired consistency.

AKKRO-7T may be used in the mixing liquid to aid curing, reduce shrinkage, and improve bond qualities and strength. Reduce the amount of water in each batch by 2 quarts (1.89L), and replace it with 2 quarts (1.89L) of AKKRO-7T. Work started with AKKRO-7T in the mix must contain AKKRO-7T in subsequent batches to help ensure color uniformity throughout the job.

5. **APPLICATION TECHNIQUES:** To produce uniform texture and color, TAMMS STUCCO FINISH must be installed by experienced workmen using similar application techniques and tools. Light colors may be floated, textured, or finished smooth. Dark colors show the greatest color uniformity and intensity when textured.

5.1 **Trowel Application:** Apply TAMMS STUCCO FINISH with sufficient pressure to ensure tight material contact and complete coverage of the substrate. Apply an even coat of material to the surface, and immediately double back with a second trowel application. The total thickness must be 1/8 inch (3.2 mm) minimum. Allow TAMMS STUCCO FINISH to lose surface moisture and stiffen slightly before floating or texturing.

5.2 **Spray Application:** Applicators must be experienced in the use of spray equipment designed specifically for cement based materials. Apply TAMMS STUCCO FINISH with a professional type high production plaster spray gun or hopper type gun. Spray a thin, even coat of TAMMS STUCCO FINISH onto the surface to obtain uniform absorption. Hold the spray nozzle at a 90 degree angle uniform distance from the surface. Immediately double back with the finish coat before the first coat has lost its surface sheen. The finished coating should be 1/8 to 3/16 inch (3.2 - 4.8 mm) thick. Spray to a natural break such as corners, control joints, expansion joints, roof lines, or wall and ceiling openings.

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Mix variations, trowel or spray application techniques, texture, finish, weather conditions, and job conditions, will affect the appearance of the final color and results obtained. Use proven, accepted stucco/plaster application practices.

6. **CURING:** TAMMS STUCCO FINISH should be mist or fog spray cured with potable water to develop proper strengths. Begin the curing process as soon as the stucco finish has "set" or hardened sufficiently to withstand the impact of the water droplets. The frequency and duration of the moist cure depends upon the weather conditions. The minimum cure period is usually 48 hours. Protect the wall with plastic, that is spaced away from the surface, to maintain a moist atmosphere and to permit proper hydration of the cementitious materials. Do not allow the plastic to touch the surface of the TAMMS STUCCO FINISH during the curing period. **DO NOT MOIST CURE TAMMS STUCCO FINISH WHEN AKKRO-7T HAS BEEN USED IN THE MIX.**
7. **FIELD SAMPLES:** Before starting the work, construct a field sample or mock-up using all materials and systems that will be employed in the actual construction process. TAMMS STUCCO FINISH must be mixed in full batch quantities, using all job site procedures. **Do not mix by hand.** Obtain approval of the owner or architect for color, texture, and coverage rates prior to beginning work. Retain the mock-up or field sample through the completion of the project.
8. **COVERAGE:** The following coverage rates are approximate and for estimating purposes only. The texture, thickness, and application techniques will determine the quantity of TAMMS STUCCO FINISH required. One 80 pound (36.3 kg) bag of TAMMS STUCCO FINISH will coverage approximately 60 square feet applied approximately 1/8 inch thick. (Approx. 6.5 kg/sq m - 3.2 mm).
9. **CLEAN-UP INSTRUCTIONS:** Clean mixing and application equipment with water immediately after use. Clean spills, overspray, splatters, or excess form surfaces before material sets. Dried material may require mechanical means for removal.
10. **CAUTIONS:** Do not apply TAMMS STUCCO FINISH to frozen or frost covered surfaces. Do not apply TAMMS STUCCO FINISH when temperatures below 40°F or above 95°F (4.5° or 35°C) are expected within 48 hours. Protect fresh TAMMS STUCCO FINISH from rain. Do not apply TAMMS STUCCO FINISH to horizontal traffic bearing surfaces.
11. **ENVIRONMENTAL AND SAFETY PRECAUTIONS: Industrial Use Only.** TAMMS STUCCO FINISH contains portland cement, sand, and lime, and alkaline on contact with water. Provide adequate ventilation. In dusty conditions, use respirators. Irritating to eyes and skin. Avoid splashing into eyes or contact with skin. Wear goggles, use barrier creams, and wear protective clothing. In case of eye contact, flood eyes

repeatedly with water and call a physician or ophthalmologist immediately. **DO NOT RUB EYES!** Wash skin thoroughly with soap and after after handling or before smoking or eating. Do not take internally. If ingested, drink plenty of water or milk, do not induce vomiting, and contact a physician immediately. **KEEP AWAY FROM CHILDREN AND ANIMALS.** Consult Material Safety Data Sheet for further information. **EMERGENCY RESPONSE PHONE NUMBER (800) 862-2667 TAMMS OR (800) 424-9300 CHEMTREC.**

12. **PACKAGING:** 80 lb (36.3 kg) poly-lined bags.
Storage: Dry and protected from moisture.
Shelf Life: 1 year properly stored.
Freight Class: Class 50.
13. **TECHNICAL SERVICE:** For application procedures or surface conditions not specified above, please contact:

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