



TECHNICAL DATA SHEET

TAMMS H/P PRIMER

Primer for Concrete or Masonry Surfaces

09900

PAINTS AND COATINGS
FINISHES

TAMMS INDUSTRIES
JANUARY 2000 (Replaces 5/99)

1. **DESCRIPTION:** TAMMS H/P PRIMER aids in the proper curing of acrylic resin or cement based masonry coatings, especially when applied to hot or porous surfaces. TAMMS H/P PRIMER dries rapidly to create a breathable barrier within the substrate surface. The barrier retards the excessive absorption of moisture from the coating into the substrate, and aids in the proper curing of the coating. This action helps to minimize "cratering" of acrylic coatings, and the formation of shrinkage cracks in cementitious materials.

2. **USES:** TAMMS H/P PRIMER is necessary on porous surfaces or when the weather is warm and windy. It is applied exterior above grade, and interior above or below grade, to concrete and masonry surfaces. TAMMS H/P PRIMER is used on brick, stone, and concrete block surfaces such as split face, textured, regular, or lightweight block. It is also used on precast, textured, lightweight and formed concrete. TAMMS H/P PRIMER is compatible with TAMMS acrylic coatings such as TAMMOSHEEN, TAMMOLASTIC, and TAMMSCOAT.

3. **COMPOSITION AND MATERIAL:** TAMMS H/P PRIMER is a milky white emulsion of 100 percent acrylic polymer solids and modifiers in a special water base formulation. TAMMS H/P PRIMER turns clear with a slight gloss when dry.

4. **SURFACE PREPARATION:** Surface must be structurally sound, clean, dry, and free of contaminants. Repair surface defects, cracks, and voids before applying TAMMS H/P PRIMER. Cure new concrete and masonry surfaces minimum 28 days. Provide an absorptive surface on all substrates, including smooth precast or formed concrete by abrading the surface. Apply TAMMS H/P PRIMER to a dry surface, and do not apply when rain is expected within 4 hours or if the primed surface cannot be topcoated within 24 hours. For conditions not covered above, contact TAMMS Technical Service centers.

5. **MIXING INSTRUCTIONS:** Stir TAMMS H/P PRIMER slowly and thoroughly, using slow speed mixing equipment that will not aerate the product. Do not dilute TAMMS H/P PRIMER.

6. **APPLICATION TECHNIQUES:** Use airless spray equipment with .017 to .021 inch (0.43 - 0.53 mm) orifice size spray tips to apply TAMMS H/P PRIMER. Hold spray gun 12 to 18 inches (30.4 - 45.7 cm) from the wall surface, and apply using a "cross coat" technique consisting of a horizontal pass followed by a vertical pass. For hand application, use equipment designed for latex paints, and dampen the brushes or the 1½ inch (3.8 cm) nap rollers with water before use. Thoroughly wet the surface with TAMMS H/P PRIMER to the point of saturation with no run down. Pick up any drips or runs with a brush or roller. TAMMS H/P PRIMER is rapid drying, and the finish coat may be applied as the primer dries, but no later than 24 hours after primer application. Labor costs on large projects may be reduced by using separate application systems to apply the TAMMS H/P PRIMER and the finish coat during the same "drop".

7. **COVERAGE:** The coverage rates below are approximate and for estimating purposes only. Actual surface texture and porosity will determine the total amount of TAMMS H/P PRIMER required.

Surface	Square Feet per Gallon	Square Meters per Liter
Porous	100 - 150	(2.5 - 3.7)
Non Porous	200 - 300	(4.9 - 7.3)

8. **CLEAN-UP INSTRUCTIONS:** Clean tools and application equipment immediately after use with detergent and hot water. Clean overspray or drips, while still wet, with detergent and hot water. Clean glass and metal surfaces before material dries. Dried material will require strong solvents or abrasion for removal.

9. **CAUTIONS:** Do not thin or dilute TAMMS H/P PRIMER. Do not apply to external surfaces if rain is forecast within 4 hours. Do not apply TAMMS H/P PRIMER below 50°F or above 90°F (10 - 32.2°C), or over frozen or frost-filled surfaces. Do not apply TAMMS H/P PRIMER to non-absorbent materials such as glass, metal, glazed brick, or glazed tile. Primer should be topcoated within 24 hours after application.

10. **ENVIRONMENTAL AND SAFETY PRECAUTIONS: Industrial Use Only.** TAMMS H/P PRIMER is a water based product and nonflammable. Provide adequate ventilation. It can be irritating to the eyes and

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skin. Wear goggles and protective clothing. In case of eye contact, flood eyes repeatedly with clean water and call a physician immediately. **DO NOT RUB EYES!** Wash hands thoroughly with soap and water after handling or before smoking or eating. Do not take internally. If ingested, do not induce vomiting. Call a physician or ophthalmologist 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.

11. **PACKAGING:** 5 gallon plastic pails, 55 gallon drums. (Metric 18.9 and 208.2 l).
Storage: 50-90°F (10-32.2°C). **Protect from freezing.** If frozen, do not use.
Shelf Life: One year properly stored.
Freight Class: Class 55.

12. **TECHNICAL SERVICE:** For application procedures or surface conditions not specified above, please contact:

TAMMS INDUSTRIES
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800-862-2667 FAX: 815-522-2323
www.tamms.com

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