

TAMMOSHEEN®

SMOOTH, ACRYLIC EMULSION, DECORATIVE COATING WITH MOLD & FUNGUS INHIBITORS

DESCRIPTION

TAMMOSHEEN is a water based, heavy bodied emulsion of 100% acrylic resin polymers, mold and fungus inhibitors, freeze-thaw stabilizers, and mineral oxide color pigments designed to fill pores in concrete block, while permitting the wall to "breathe." It provides excellent stain resistance to dirt, mild acid, alkali, and mildew. It is also resistant to damage from freeze-thaw or ultraviolet rays. TAMMOSHEEN has superior adhesive, cohesive and color retention characteristics.

PRIMARY APPLICATIONS

- Exterior or interior
- Concrete
- Brick
- Block
- Stone
- Stucco surfaces

FEATURES/BENEFITS

- High build
- Smooth
- Non-gloss
- Water repellent
- Protect and decorate sound masonry and concrete surfaces

TECHNICAL INFORMATION

Material Properties @ 75°F (24°C)

Weight /gal 11.5 (5.2 kg) ± 0.5 lbs (0.2 kg)

VOC Content < 50 g/L

Viscosity 98 to 105 KU

Solids by weight 55 to 60%

Water Permeability ASTM E 514

| | Reference | Results |
|--|-----------|---------|
| Dampness shows | 10 min | none |
| First Water shows | 12 min | none |
| Dampness area back of wall @ 4 hr, 75% | | none |

Water Vapor Transmission, ASTM E 96
 20 mils film 12 to 14 perms

Weatherometer ASTM G 26 6,000 hrs
 No crazing, cracking, chipping or flaking. Light chalk and color change. No other deterioration.

Values are typical and not necessarily referenced to create specifications.

Freeze Thaw Durability ASTM C 666

300 cycles 99.6%

Scaling Resistance ASTM C 672 25 cycles

Visual Rating 0

Scaling Mass none

Salt spray resistance Kentucky Method

300 hrs, 5% solution no adhesion loss @90°F(32°C) ±2°F (±-17°C)

Fungus Growth Fed Test 141, Method 6271

28 Days none

Appearance: TAMMOSHEEN is available in a wide range of standard colors. Tint bases are also available for universal colorant systems. Other colors are available on request. Minimum quantities apply. Contact your local Euclid Chemical representative for further information.

PACKAGING

TAMMOSHEEN is packaged in 5 gal (18.9 L) pails, 30 gal (113.6 L) drums.

SHELF LIFE

1 year in unopened package.

COVERAGE

| Surface | ft ² /gal (m ² /L) | | H/P PRIMER |
|---------|--|---------------------------|--|
| | 1st coat | 2nd coat | |
| Porous | 80 to 100 (1.96 to 2.45) | 80 to 100 (1.96 to 2.45) | 100 to 150 (2.45 to 3.68) |
| Smooth | 100 to 150 (2.45 to 3.68) | 100 to 150 (2.45 to 3.68) | 200 to 300 (4.91 to 5.33) |
| | | | Masonry Primer 40 to 80 (0.98 to 1.96) |

Note: TAMMOSHEEN coverage rates are approximate and are for estimating purposes only. Surface temperature, porosity, and texture will determine actual material requirements. Apply samples to all surfaces to be coated. Obtain approval of Architect or Owner for the color, finish, water repellency, and coverage before proceeding with work. Retain sample or mock-up through completion of project.

Smooth, Acrylic Emulsion, Decorative Coating With Mold & Fungus Inhibitors
TAMMOSHEEN®

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DIRECTIONS FOR USE

Surface Preparation: Cure new concrete and masonry surfaces 28 days. Surface must be structurally sound, clean, dry, and free of dust, dirt, oil, peeling paint, curing and form release compounds, and other contaminants. Provide an absorptive surface on smooth precast, formed concrete, and other substrates by mechanical abrasion. Defective concrete, honeycombs, cracks, cavities and other defects should be routed to sound concrete and patched using compatible materials. Surface profile should be equal to CSP 1 to 2 in accordance with ICRI Guideline 03732. **Priming:** For masonry and concrete, or when applying in hot, windy conditions priming the surface with TAMMS H/P PRIMER is recommended. For highly porous surfaces such as unpainted concrete block, TAMMS MASONRY PRIMER is recommended.

Mixing: TAMMOSHEEN should be mechanically mixed using a low speed 3/4" (19mm) drill with a mixing paddle. Mix thoroughly to a uniform, lump free consistency. Do not aerate the mix.

Application: Primer: Apply TAMMS H/P Primer to porous surfaces or during very hot or windy weather. Use airless spray equipment with 0.017 to 0.021 inch (0.43 to 0.53 mm) orifice size spray tips or paint rollers. Apply the primer uniformly to the substrate. For MASONRY PRIMER application, consult technical support. TAMMOSHEEN should be applied 2 to 4 hours following the HP primer application using spray, roller or brush. To spray TAMMOSHEEN, use airless spray equipment. Spray TAMMOSHEEN using a "cross coat" technique (horizontal pass followed by a vertical pass). Avoid applying to excess, which can cause the product to run down the wall or puddle. Back rolling is recommended during application of the first coat. The second coat can be sprayed after the first coat is dry, in 12 to 24 hours. **Do not back roll during the second coat.** For hand application, use brushes and 1½ in (3.81cm) nap rollers designed for latex paints. Dampen the brushes or rollers with clean water before use. When using rollers, uniform millage is achieved by rolling TAMMOSHEEN in one direction only.

CLEAN-UP

Clean tools and application equipment immediately after use with soap and hot water. Clean overspray or drips while still wet with soap and hot water. Dried material may require strong solvents or abrasion for removal.

PRECAUTIONS/LIMITATIONS

- Store at temperatures between 50°F to 90°F (10°C to 32°C). Protect from freezing.
- Concrete surfaces must cure for 28 days prior to application.
- Do not thin or dilute TAMMOSHEEN. Do not apply TAMMOSHEEN when rain is expected within 12 hours.
- Do not apply at temperatures below 45°F (7°C) or above 90°F (32°C) or over frozen or frost-filled surfaces.
- Do not apply if weather conditions will not permit complete drying of material before rain, dew or freezing temperatures.
- Not designed for use on traffic bearing surfaces.
- Do not apply TAMMOSHEEN to non-absorbent materials such as glass, metal, glazed brick, or glazed tile.
- In all cases, consult the Material Safety Data Sheet before use.

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