



TAMMSCOAT

WATER-BASED, DECORATIVE AND PROTECTIVE ACRYLIC COATING

DESCRIPTION

TAMMSCOAT is a high build, water-based, acrylic coating used to protect and decorate sound masonry and concrete walls. TAMMSCOAT is available in a multitude of colors in either a smooth or fine (sanded) finish.

PRIMARY APPLICATIONS

- Exterior and interior above grade walls
- Concrete
- Concrete masonry units
- Brick
- Stone
- Stucco

FEATURES/BENEFITS

- Repels water
- Excellent adhesion
- Protects from carbonation
- Outstanding color retention
- Highly durable
- Breathable
- Freeze-thaw stable
- Custom and standard colors & textures
- Can contribute to LEED points

TECHNICAL INFORMATION

The following are typical values obtained under laboratory conditions. Expect reasonable variation under field conditions.

Property	FINE	SMOOTH
Density.....	12-13 lbs/gal.....	11-12 lbs/gal
	1.44-1.56 kg/L	1.32-1.44 kg/L
Viscosity.....	3,000-3,700 cp.....	1,500-1,900 cp
Solids (by weight)....	65-68%.....	55-60%
Flash Point.....	162°F (72°C).....	162°F (72°C)

Wind Driven Rain Resistance, ASTM D6904

Weight Gain @ 24 hr (avg.) 0.10 lbs.

Freeze-Thaw Resistance, AASHTO R-31

Result @ 30 days..... No disbondment

Water Vapor Transmission, ASTM D1653

Permeability @ 21 days..... 19.0 grains/h-ft²-in Hg

Abrasion Resistance, ASTM D968

3,000 liter Sand Volume..... No coating loss

Salt Fog Resistance, ASTM B117

Result @ 2,000 hr No disbondment

UV & Condensation Exposure*, ASTM D4587

Blistering @ 2,000 hr No blistering

Cracking @ 2,000 hr..... No cracking

Delamination @ 2,000 hr..... No delamination

Chalking @ 2,000 hr..... Rating 10

*4 hours UV, 4 hours condensation

Appearance: TAMMSCOAT is available in standard colors and tint bases for universal colorant systems. FINE or SMOOTH texture finish is standard. Custom colors are available with minimum quantity orders. Contact your local Euclid Chemical representative for further information.

PACKAGING

TAMMSCOAT is packaged in 55 gal (208.2 L) drums and in 5 gal (18.9 L) pails.

SHELF LIFE

2 years in original, unopened container

Fungal Resistance, ASTM D3273

Result @ 4 weeks Rating 10 (no fungal growth)

Salt Scaling, ASTM C672

Result @ 50 cycles No change

Freeze-Thaw Resistance, ASTM C666

Procedure A Result @ 300 cycles..... No change

Specular Gloss, ASTM D523

Result @ 60° 2.4

Result @ 85° 0.0

Impact Resistance, ASTM D2794

Result @ 219 inch-pounds Pass

Dirt Collection, ASTM D3719

Result @ 61 days..... No change

Water Vapor Transmission, ASTM E96

Permeability, Procedure B 21.7 grains/h-ft²-in Hg

Water Penetration Through Masonry Walls, ASTM E514

Result @ 4 hr No water penetration

Chemical Resistance, ASTM G20

5% Ammonia Result @ 180 days..... No change

5% Urea Result @ 180 days..... No change

Fungal Resistance, TT-P-29B

Result @ 4 weeks No fungal growth

COVERAGE

	ft ² /gal (m ² /L)	
	1st Coat	2nd Coat
TAMMS H/P PRIMER		
Porous surfaces	100 to 150 (2.45 to 3.68)	----
Smooth surfaces	200 to 300 (if required) (4.91 to 5.33)	----
TAMMS MASONRY PRIMER	40 to 80 (0.98 to 1.96)	----
TAMMSCOAT SMOOTH		
Porous surfaces	80 to 100 (1.96 to 2.45)	80 to 100 (1.96 to 2.45)
Smooth surfaces	80 to 120 (1.96 to 2.94)	100 to 130 (2.45 to 3.19)
TAMMSCOAT FINE		
Porous surfaces	50 to 65 (1.23 to 1.60)	60 to 75 (1.47 to 1.84)
Smooth surfaces	75 to 100 (1.84 to 2.45)	85 to 110 (2.09 to 2.70)

Note: TAMMSCOAT 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.

DIRECTIONS FOR USE

Surface Preparation: Cure new concrete and masonry surfaces for a minimum of 7 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 pre-cast, formed concrete and other substrates by abrading the surface. Surface profile should be equal to CSP 1 to 2 in accordance with ICRI Guideline 310.2. Defective concrete should be removed and patched using compatible restoration products.

Priming: For concrete and masonry, especially in hot, windy conditions, priming with TAMMS H/P Primer is recommended. For highly porous concrete block, priming with TAMMS MASONRY PRIMER is recommended.

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

Application: Spray TAMMSCOAT FINE using heavy duty spray equipment capable of spraying ceiling texture, plaster or cementitious coatings. To spray TAMMSCOAT SMOOTH, use airless spray equipment with a 0.025" to 0.035" (0.64 to 0.89 mm) orifice size spray tip. Spray TAMMSCOAT 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. Backrolling is recommended during application of the first coat. The second coat can be sprayed after the first coat is dry, approximately 12 to 24 hours. Do not backroll during the second coat. For hand application, use brushes and 1½" (38.1 mm) nap rollers designed for latex paint. Dampen the brushes or rollers with clean water before use. When using rollers, uniform millage is achieved by rolling TAMMSCOAT 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 mechanical abrasion for removal.

PRECAUTIONS/LIMITATIONS

- Store at temperatures between 50°F (10°C) to 90°F (32°C).
- Protect from freezing.
- Do not thin or dilute TAMMSCOAT.
- Do not apply TAMMSCOAT if rain is expected within 8 hours.
- Do not apply over frost filled surfaces.
- Do not apply if surface and ambient temperatures are below 45°F (7°C) or above 90°F (32°C).
- Do not apply to non-absorbent materials such as glass, metal, glazed brick or glazed tile.
- Not for use on traffic bearing surfaces.
- Use HP PRIMER as a prime coat on very porous surfaces or in hot, windy conditions.
- Temperatures below 75°F (24°C) may require longer cure time prior to application of TAMMSCOAT on fresh concrete.
- In all cases, consult the Safety Data Sheet before use.

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