COATINGS - ARCHITECTURAL WALL

Master Format #: 09 96 53

TAMMSCOAT

WATER-BASED, DECORATIVE AND PROTECTIVE ACRYLIC COATING

EUCLID CHEMICAL

PACKAGING

Standard Colors

55 gal (208.2 L) drum
Code: TL221§55§ (Fine)
Code: TL221055§ (Smooth)

5 gal (18.9 L) pail
Code: TL221§05§ (Fine)
Code: TL221005§ (Smooth)

Special Colors are available and MTO.

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.

SHELF LIFE

2 years in original, properly stored, unopened package

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.

PRODUCT CHARACTERISTICS

FEATURES/BENEFITS

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

PRIMARY APPLICATIONS

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

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.

COVERAGE

Coverage- ft²/gal (m²/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 7.36)	----
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.

TECHNICAL INFORMATION

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

Test Method	Test Property	Values	
		FINE	**SMOOTH**
N/A	Density	12 to 13 lbs/gal 1.44 to 1.56 kg/L	11 to 12 lbs/gal 1.32 to 1.44 kg/L
N/A	Flash Point	162 °F (72 °C)	162 °F (72 °C)
N/A	Solids (by weight)	65 to 68%	55 to 60%
N/A	Viscosity	3,000 to 3,700 cp	1,500 to 1,900 cp
N/A	VOC Content	< 100 g/L	
ASTM D968	Abrasion Resistance	3,000 liter Sand Volume . . . . . No coating loss	
ASTM G20	Chemical Resistance	5% Ammonia Result @ 180 days. . . . . No change 5% Urea Result @ 180 days . . . . . No change	
ASTM D3719	Dirt Collection	Result @ 61 days . . . . . No change	
AASHTO R-31	Freeze-Thaw Resistance	Result @ 30 days . . . . . No disbondment	
ASTM C666	Freeze-Thaw Resistance	Procedure A Result @ 300 cycles. . . . . No change	
ASTM D3273	Fungal Resistance	Result @ 4 weeks . . . . . Rating 10 (no fungal growth)	
ASTM D2794	Impact Resistance	Result @ 219 inch-pounds . . . . . Pass	
ASTM B117	Salt Fog Resistance	Result @ 2,000 hr . . . . . No disbondment	
ASTM C672	Salt Scaling	Result @ 50 cycles. . . . . No change	
ASTM D523	Specular Gloss	Result @ 60°. . . . . .2.4 Result @ 85°. 0.0	
ASTM D4587	UV & Condensation Exposure 4 hours UV, 4 hours condensation	Blistering @ 2,000 hr . . . . . No blistering Cracking @ 2,000 hr . . . . . .No cracking Delamination @ 2,000 hr. . . . . No delamination Chalking @ 2,000 hr . . . . . Rating 10	
ASTM E514	Water Penetration through Masonry Walls	Result @ 4 hr . . . . . No water penetration	
TT-P-29B	Fungal Resistance	Result @ 4 weeks . . . . . No fungal growth	
ASTM D1653	Water Vapor Transmission	Permeability @ 21 days. . . . . 19.0 grains/h-ft²-in Hg	
ASTM E96	Water Vapor Transmission	Permeability, Procedure B . . . . . 21.7 grains/h-ft²-in Hg	
ASTM D6904	Wind Driven Rain Resistance	Weight Gain @ 24 hr (avg.) . . . . . .0.10 lbs.	
ASTM D4541	Bond Strength **Note: Performed on CSP 3 concrete**	350 to 370 psi Mode of failure: 100% Concrete Substrate	

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" (19 mm) 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.

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.
- Tempatures 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