



TAMMSCOAT

WATER-BASED, DECORATIVE AND PROTECTIVE ACRYLIC COATING

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 - 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 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) 8 to 10 MIL DFT	80 to 100 (1.96 to 2.45) 8 to 10 MIL DFT
Smooth surfaces	80 to 120 (1.96 to 2.94) 7 to 10 MIL DFT	100 to 130 (2.45 to 3.19) 6 to 8 MIL DFT
TAMMSCOAT FINE		
Porous surfaces	50 to 65 (1.23 to 1.60) 14 to 18 MIL DFT	60 to 75 (1.47 to 1.84) 12 to 15 MIL DFT
Smooth surfaces	75 to 100 (1.84 to 2.45) 9 to 12 MIL DFT	85 to 110 (2.09 to 2.70) 8 to 11 MIL DFT

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	Solids (by volume)	55 to 57%	50%
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-ft ² -in Hg	
ASTM E96	Water Vapor Transmission	Permeability, Procedure B 21.7 grains/h-ft ² -in Hg	
ASTM D6904	Wind Driven Rain Resistance	Weight Gain @ 24 hr (avg.)0.10 lbs.	
ASTM D4541	Bond Strength <i>*Note: Performed on CSP 3 concrete*</i>	350 to 370 psi Mode of failure: 100% Concrete Substrate	
ASTM D412	Tensile Elongation @ 7 days	@ 73 °F (23 °C) 90 to 125%	
ASTM D412	Tensile Strength @ 7 days	@ 73 °F (23 °C) 470 to 530 psi (3.24 to 3.65 MPa)	

WARRANTY: The Euclid Chemical Company ("Euclid") solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Euclid, no other representations or statements made by Euclid or its representatives, in writing or orally, shall alter this warranty. EUCLID MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Euclid product fails to conform with this warranty, Euclid will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Euclid does not authorize anyone on its behalf to make any written or oral statements which in any way alter Euclid's installation information or instructions in its product literature or on its packaging labels. Any installation of Euclid products which fails to conform with such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Euclid's products for the Buyer's intended purposes.

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.
- 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

Rev. 7.23

WARRANTY: The Euclid Chemical Company ("Euclid") solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Euclid, no other representations or statements made by Euclid or its representatives, in writing or orally, shall alter this warranty. EUCLID MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Euclid product fails to conform with this warranty, Euclid will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Euclid does not authorize anyone on its behalf to make any written or oral statements which in any way alter Euclid's installation information or instructions in its product literature or on its packaging labels. Any installation of Euclid products which fails to conform with such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Euclid's products for the Buyer's intended purposes.