

# TAMMSCOAT®

## DECORATIVE AND PROTECTIVE, WATER-BASED, ACRYLIC COATING

### DESCRIPTION

TAMMSCOAT is a high build, water-based, acrylic coating used to protect and decorate sound masonry and concrete surfaces.

### PRIMARY APPLICATIONS

- Exterior and interior above grade substrates
- Concrete
- Concrete masonry units ("block")
- Brick
- Stone
- Stucco

### FEATURES/BENEFITS

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

### TECHNICAL INFORMATION

#### Material Properties at 75°F (24°C)

	FINE	SMOOTH
Weight/gal .....	12.5 ± 0.5 lbs	11.5 ± 0.5 lbs
(kg/m <sup>2</sup> )	(5.7 ± 0.23)	(5.2 ± 0.23)
VOC Content	< 50 g/L	< 50 g/L
Viscosity .....	118 to 125 ku	98 to 105 ku
Solids by weight .....	65 to 68%	55 to 60%
Test Method	Criterion	Results
Water Perm ASTM E 514	Ref	TAMMSCOAT
Dampness shows .....	10 mins	none
First water shows	12 mins	none
Dampness, area back of wall @ 4 hours	75%	none
Wind Driven Rain Resistance	TT-C 555B	
Rating .....	E (excellent)	
Water Vapor Trans	ASTM E 96	
20 mils film .....	12 to 14 perms	
Abrasion Resistance	ASTM C 418 .....	0 mils abraded

#### Weatherometer ASTM G 26

6000 hrs No crazing, cracking, chipping or flaking

#### Carbon Dioxide Diffusion

Diffusion coefficient..... 1.1 x 10<sup>-6</sup>cm<sup>2</sup> sec<sup>-1</sup>

Diffusion resistance coefficient ..... 155,900

Klopfer criteria ..... passes

#### Freeze Thaw Durability ASTM C 666

300 cycles ..... 100.9%

#### Scaling Resistance ASTM 672 25 cycles

Visual Rating ..... 0

Scaling Mass..... none

#### Salt Spray Resistance ASTM B117 2,000 hrs 5% solution

no adhesion loss.....@ 90°F ± 2°F (24°C ± -17°C)

#### Fed Test 141, Method 6271 Fungus Growth .....

28 days..... none

#### Impact Resistance ASTM D 2794 .....

no chipping

#### Flexibility Test

1" Mandrel (25mm)..... no chipping or breaking

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

### PACKAGING

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

### SHELF LIFE

2 years in original, unopened package.



## The Euclid Chemical Company

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An **RPM** Company



## COVERAGE

	ft <sup>2</sup> /gal. (m <sup>2</sup> /L)	
	1st Coat	2nd Coat
<b>TAMMSCOAT SMOOTH</b>		
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)
<b>TAMMSCOAT FINE</b>		
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)
<b>H/P PRIMER</b>		
Porous surfaces	100 to 150 (2.45 to 3.68)	
Smooth surfaces	200 to 300 (if required) (4.91 to 5.33)	
<b>MASONRY PRIMER</b>	40 to 80 (0.98 to 1.96)	

**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. Retain sample or mock-up through completion of project.

## 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 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 03732. Defective concrete and other defects should be routed to sound material 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.
- In all cases, consult the Material Safety Data Sheet before use.

**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.