



# TAMMSCOAT

DECORATIVE AND PROTECTIVE, WATER-BASED, ACRYLIC COATING

EUCLID CHEMICAL

COATINGS - ARCHITECTURAL WALL

TAMMSCOAT

Rev-01/18

## 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

Material Properties @ 24°C

	FINE	SMOOTH	Weatherometer ASTM G 26
Weight/gal (kg/m <sup>2</sup> ).....	5.7 ±0.23	5.2 ±0.23	6000 hrs No crazing, cracking, chipping or flaking
VOC Content.....	< 50 g/L	< 50 g/L	Carbon Dioxide Diffusion
Viscosity.....	3000 to 3700 cp	1500 to 1900 cp	Diffusion coefficient..... 1.1 x 10 <sup>-6</sup> cm <sup>2</sup> sec <sup>-1</sup>
	118 to 125 ku	98 to 105 ku	Diffusion resistance coefficient..... 155,900
Solids by weight.....	65 to 68%	55 to 60%	Klopfert criteria..... passes
Test Method	Criterion	Results	Freeze Thaw Durability ASTM C 666
Water Perm ASTM E 514			300 cycles.....100.9%
Dampness shows.....	10 mins	none	Scaling Resistance ASTM 672 25 cycles
First water shows.....	12 mins	none	Visual Rating..... 0
Back of wall @ 4 hours.....	75%	none	Scaling Mass..... none
Wind Driven Rain Resistance TTC 555B			Salt Spray Resistance ASTM B117 2,000 hrs 5% solution no adhesion loss.....@ 24°C ± -17°C Fed Test 141, Method 6271 Fungus Growth
Rating.....	E (excellent)		28 days..... none
Water Vapor Trans ASTM E 96			Impact Resistance ASTM D 2794..... no chipping
0.5mm film .....	12 to 14 perms		Flexibility Test
Abrasion Resistance ASTM C 418.....	0 mils abraded		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 are available with minimum quantity orders. Contact your local Euclid Chemical representative for further information.

## PACKAGING

TAMMSCOAT is packaged in 25 Kgs pails.

## SHELF LIFE

2 years in original, unopened package.

## COVERAGE

	1st Coat	2nd Coat
<b>TAMMSCOAT SMOOTH</b>		
Porous surfaces	1.96 to 2.45	1.96 to 2.45
Smooth surfaces	1.96 to 2.45	2.45 to 3.19
<b>TAMMSCOAT FINE</b>		
Porous surfaces	1.23 to 1.60	1.47 to 1.84
Smooth surfaces	1.47 to 1.84	2.09 to 2.70
<b>TAMMS H/P PRIMER</b>		
Porous surfaces	2.45 to 3.68	
Smooth surfaces	4.91 to 5.33	
<b>TAMMS MASONRY PRIMER</b>	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.

## DIRECTIONS FOR USE

**Surface Preparation:** Cure new concrete and masonry surfaces for 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 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 20 mm drill with a mixing paddle. Mix thoroughly to a uniform, smooth consistency. Do not aerate the mix.

**Application:** Spray TAMMS COAT 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 0.64 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 40 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 10°C to 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 7°C or above 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, refer the Safety Data Sheet before use.

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