

TAMMSCOAT

WATER-BASED DECORATIVE AND PROTECTIVE ACRYLIC COATING


EUCLID CHEMICAL

PACKAGING

TAMMSCOAT is packaged in 20 litre drums and 5 litre pails.

APPROXIMATE YIELD *

	1 st Coat	2 nd Coat
Porous Surface	2 to 2.5m ² /litre	2 to 2.5m ² /litre
Smooth Surface	2 to 3m ² /litre	2.5 to 3m ² /litre

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, unopened container.

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 colours.

PRODUCT CHARACTERISTICS

FEATURES / BENEFITS

- Repels water
- Excellent adhesion
- Protects from carbonation
- Outstanding colour retention
- Breathable
- Freeze-thaw stable
- Custom and standard colours
- Highly durable

PRIMARY APPLICATIONS

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

* 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 colour, 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.

Property	Values at 25 °C	
Wind Driven Rain Resistance ASTM D6904	Weight gain at 24 hr (avg)	0.45gm
Freeze-Thaw Resistance AASHTO R-31	Result at 30 days	No disbondment
Water Vapour Transmission ASTM D1653	Permeability at 21 days	19.0 grains/h-ft ² -in Hg
Abrasion Resistance ASTM D968	3000 Litre Sand Volume	No coating loss
Salt Fog Resistance ASTM B117	Result at 2000 hrs	No disbondment
UV & Condensation Exposure* ASTM D4587 (* 4 hours UV, 4 hours condensation)	Blistering at 2000 hrs	No blistering
	Cracking at 2000 hrs	No cracking
	Delamination at 2000 hrs	No delamination
	Chalking at 2000 hrs	Rating 10
Fungal Resistance ASTM D3273	Results at 4 weeks	Rating 10 (no fungal growth)
Salt Scaling ASTM C672	Result at 50 cycles	No change
Freeze-Thaw Resistance ASTM C666	Procedure A result at 300 cycles	No change
Specular Gloss ASTM D523	Result at 60°	2.4
	Result at 85°	0.0

Tammscoat (4) July 2023 replaces July 2022

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TECHNICAL INFORMATION

Property	Values at 25 °C	
Impact Resistance ATM D2794	Result at 219 inch-pounds	Pass
Dirt Collection ASTM D3719	Result at 61 days	No change
Water Vapour Transmission ASTM E96	Permeability, Procedure B	21.7 grains/h-ft ² -in Hg
Water Penetration Through Masonry Walls ASTM E514	Result at 4 hrs	No water penetration
Chemical Resistance ASTM D20	5% Ammonia result at 180 days	No change
	5% Urea result at 180 days	No change
Fungal Resistance TT-P-29B	Result at 4 weeks	No fungal growth
Density	1.32 to 1.44kg/l	
Viscosity	98 to 102 KU	
Solids (by volume)	43%	
Flash Point	72 °C	

Appearance: TAMMSCOAT is available in standard colours and tint bases for universal colourant systems. Smooth texture finish is standard. Custom colours are available with minimum quantity orders. Contact your local StonCor Africa representative for further information.

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.

Priming: For concrete and masonry, especially in hot, windy conditions, priming with TAMMSPRIME 689 is recommended.

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

Application:

Spray Application: Thin TAMMSCOAT down by 7.5 to 15% with clean potable water, use heavy-duty spray equipment capable of spraying ceiling texture, plaster or cementitious coatings, use airless spray with a 0.023" to 0.035" 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.

Brush and Roller Application: Use brushes and 1½ (38.1mm) 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 10 °C to 32 °C.
- Protect from freezing.
- Do not exceed 15% thinning as this could cause cracking.
- Do not apply TAMMSCOAT if rain is expected within 8 hours.
- Do not apply over frost filled surfaces.
- Do not apply is 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 TAMMSPRIME 689 as a prime coat on very porous surfaces or in hot, windy conditions.
- Temperatures below 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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