

TAMMSPRIME 689

ALKALI RESISTANT PENETRATION PRIMER


EUCLID CHEMICAL

PACKAGING

TAMMSPRIME 689 is packaged in 20 litre drums and 5 litre pails.

APPROXIMATE YIELD

Flat surfaces using a medium nap roller:
6 to 8m²/litre/coat

Rough irregular surfaces using a brush or spray: 4 to 6m²/litre/coat

CLEAN-UP

Clean tools and application equipment immediately after use with Pro-Struct 105 Brush Cleaner.

SHELF LIFE

1 Year in original, unopened container when stored in dry conditions.

DESCRIPTION

TAMMSPRIME 689 is a high quality, solvent-based acrylic copolymer wall coating designed to have excellent penetrative properties which binds and consolidates friable porous surfaces ideal for substrates such as new and old plaster, fibreboard and concrete surfaces. The choice of mineral fillers enhances the product's waterproofing, yet breathable characteristics. Ideal as a primer for subsequent coats of high quality adhesion promoted acrylic paints such as Pro-Struct 684/4 Muralflex, Pro-struct 684/6 and TAMMSCOAT. The product is designed for the protection of concrete and masonry structures, especially in harsh environments.

PRODUCT CHARACTERISTICS

FEATURES / BENEFITS

- Excellent resistance to substrate alkali and efflorescence attack
- Excellent resistance to mildew and fungus growth
- Excellent resistance to severe weather conditions and industrial fallout
- Excellent resistance to general household detergent washing
- Solution coating with deep penetrating properties
- Excellent adhesion to porous substrates
- Vapour permeable film allowing breathability
- Effective anti-carbonation coating by reducing the diffusion of carbon dioxide through the coating

PRIMARY APPLICATIONS

- Primer for coating to new and old concrete
- Primer for fibreboard
- Primer for coatings to masonry, new and old plaster

TECHNICAL INFORMATION

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

Property	Values at 25 °C
Type	Solution masonry paint
Volume Solids	36%
Finish	Slight textured matt finish
Colour	White
Drying Time	3 to 4 Hours at 25 °C
Overcoating Time	4 Hours at 25 °C
Spread Rate	6 to 8m ² /litre on flat surface
Application	Brush, Roller, Airless Spray
VOC Content	500g/l

Tammsprime 689 (2) July 2023 replaces July 2022

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DIRECTIONS FOR USE

Surface Preparation: All surfaces to be sound, clean and dry before application. Plaster on freshly plastered surfaces, allow plaster to dry out and remove dust before application.

Concrete: Prior to application, all surfaces are to be clean, dry and sound, prepared in accordance with ICRI Guidelines CSP 1 to 3. Do not coat concrete treated with hardening solutions unless test patches indicate satisfactory adhesion. Do not apply coating unless concrete has cured at least 28 days at 21 °C and 50% RH or equivalent time.

Mixing: Mix TAMMSPRIME 689 to a smooth consistency with mechanical agitator such as a “Jiffy” mixer. Thin up to 5% by volume with Carboline Thinner # 10 if required.

Application Temperatures:

	Material	Surface	Ambient	Humidity
Normal	16-30 °C	18-30 °C	18-32 °C	10-85%
Minimum	4 °C	4 °C	4 °C	0%
Maximum	38 °C	43 °C	43 °C	95%

Do not apply when the surface temperature is less than 3 °C above the dew point. Do not apply if the temperatures are expected to drop below 4 °C within 24 hours of application, or if rainfall is imminent.

Special thinning and application techniques may be required above or below normal conditions.

Application: If substrates are very porous, they should be sealed by diluting TAMMSPRIME 689 with 10% Carboline Thinner # 10 prior to coating. Apply 2 to 3 coats by brush, roller or airless spray at the above-mentioned spread rate.

Spray: The following spray equipment has been found suitable, and is available from manufacturers such as Binks, DeVilbiss and Graco.

Conventional: Pressure pot equipped with dual regulators, 10mm minimum I.D. material hose, .070” fluid tip and appropriate air cap.

Airless:

Pump Ratio*	30:1 (min)
GPM Output	3.0 (min)
Material Hose	10mm I.D. (min)
Tip Size	.015” to .019”
Output psi	1800 (124 bar)
Filter Size	60

*Teflon packings are recommended and are available from pump manufacturer

Brush: Use synthetic bristle brush, applying with full strokes. Avoid excessive re-brushing.

Roller: Use a medium nap mohair roller with phenolic core. Avoid re-rolling. Multiple coats may be required for uniform hiding when applied by brush or roller.

Drying Times:

	Between Coats	Final Cure
4 °C	24 Hours	60 Hours
16 °C	8 Hours	36 Hours
25 °C	4 Hours	24 Hours
32 °C	2 Hours	12 Hours

PRECAUTIONS / LIMITATIONS

- Store at temperatures between 4 °C to 43 °C.
- Protect from freezing.
- Do not apply TAMMSPRIME 689 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.
- Temperatures below 24 °C may require longer cure time prior to application of TAMMSPRIME 689 on fresh concrete.
- In all cases, consult the Safety Data Sheet before use.

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