

PRODUCT NAME

# Tuff-Cote™

## Textured Acrylic Wall Coating



MANUFACTURER

Gemite® Products Inc.

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FEATURES

- Waterproof and weatherproof
- Can be applied to horizontal and vertical surface
- Resists water ponding
- Breathable and self-cleaning
- No chipping, peeling or flaking
- High abrasion resistance
- High flexibility
- High durability and UV resistance
- Unaffected by salts and acid rain

PRODUCT DESCRIPTION

Basic Use

Protective, waterproofing and decorative textured wall coating for concrete, concrete block, brick, EIFS, cement board, wood and galvanized metal. It can also be used horizontal surfaces with light to medium traffic, such as balconies and patios.

Composition and Materials

A pure acrylic emulsion, containing inert inorganic fillers, quartz aggregates and fade resistant color fast pigments. *Tuff-Cote* is a fast drying coating, with excellent freeze/thaw durability proven over many years under harshest climates. Its high flexibility enables it to bridge substrate cracks. *Tuff-Cote's* total waterproofing eliminates the structural damage due to water infiltration, while allowing trapped moisture in the wall to escape.

Limitations

Do not apply *Tuff-Cote* below grade or over damp surface, or if the ambient temperature is expected to be under 7°C (45°F) or above 40°C (105°F) within 24 hours or when the rain is imminent. The surface temperature must not be in excess of 30°C (86°F).

Health and Safety

*Tuff-Cote* is non-toxic and non-flammable. If contact with skin occurs, wash with water. Harmful if digested. Keep the product out of reach of children. FOR INDUSTRIAL USE ONLY. Consult MSDS for additional information.

Finishes and Colors

*Tuff-Cote* can be applied by short, medium and long nap or textured roller, spray, trowel and float to achieve a variety of textured surfaces. *Tuff-Cote* is available in a wide assortment of colors. Every effort is made to fill each order using the same batch number, but different batch numbers of the same color are occasionally sent to complete an order. It is the sole responsibility of the applicator to make certain that only one batch number is used on any one side of the building. Different batch numbers cannot be used on the same wall unless they are mixed together to ensure total color uniformity.

Packaging

*Tuff-Cote* is packaged in 20 L (5.3 USG) pails.

Coverage

<i>Tuff-Cote</i>	m <sup>2</sup> /pail	ft <sup>2</sup> /pail
Grain Float	10-14	110-150
Sand Float	10-14	110-150
Textured Roller/Spray	29-35	315-375
Short Nap Roller	45-60	500-650
Primer #300	6-8 m <sup>2</sup> /L	244-326 ft <sup>2</sup> /USG

The coverage's are only given as guidelines and depend greatly on the roughness and porosity of the substrate, thickness of the application using a specific type of roller. Carry out field application to determine the exact material quantity requirements.

Storage and Transportation

Shelf life of unopened containers is 2 years, when stored on pallets in a dry area. **Must not freeze.** Packaged 36 pails per pallet.

TECHNICAL DATA

Meets and exceeds CGSB-1GP-162M and TTC-00555.

Accelerated Weathering Resistance (CGSB 1-GP-162)	No blistering, cracking, chalking or color change; Passed
Alkali Resistance (CGSB 1-GP-162M)	No blistering, wrinkling, lifting or color change; Passed
Applicability and Appearance (CGSB 1-GP-162M)	The dry film was free of cracks, pinholes and other defects; Passed
Freeze/Thaw Stability (CGSB 1-GP-162M)	Not affected; Passed
Water Absorption (CGSB requirement, not to exceed 15%)	13.8% by weight; Passed

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07100 Waterproofing  
09825 Aggregate Coatings

Water vapor Transmission (ASTM E-96-80 A), not less than 170 ng/Pa.s.m<sup>2</sup>

1,184ng/Pa.s.m<sup>2</sup>;  
Passed

## INSTALLATION

Current Guide Specification and Application Instructions contain additional information specific to each application and must be followed. Contact Gemite's Technical Service for information specific to your project.

### Surface Preparation

The surface to be coated must be clean. Remove all dirt, efflorescence, paint, loose particles, cement scaling and other foreign matter which can interfere with the adhesion of the coating. Use power brush, water blasting, scraping or sandblasting as required. *Tuff-Cote* is capable of bridging hairline cracks. Cracks larger than 0.3 mm (10 mils) must be pre-filled with a flexible coating or sealant.

### Primers

*Primer #300*, tinted to the same color as *Tuff-Cote* is always used as an undercoat. Dense concrete (shear walls) does not require *Primer #300* when Short Nap Roller *Tuff-Cote* is used.

*Primer #2000* is used as an undercoat when applying *Tuff-Cote* to galvanized metal.

### Application

Do not thin *Tuff-Cote*. Mix thoroughly before application.

### Textured Roller/Spray

Use textured (plastic wire, or textured foam) roller for application. Apply the coating evenly with a full roller and cross-roll to obtain a uniform even texture.

Use hopper gun to spray apply the material. The texture can be varied from very fine to very coarse by varying the opening of the hopper gun, air volume and pressure used. *Primer #300* must be tinted to the same color, to prevent "show through".

### Short Nap Roller

Use 3 - 4 mm (1/8 in) long, medium to stiff bristle paint roller. Use conventional paint rolling technique in application. Cross-roll to obtain a uniform appearance and color.

### Grain & Sand Float

It is essential to have an even substrate. Any irregularity and bug holes must be fixed prior to the application of *Tuff-Cote*. When the substrate is not even, it is important to level it first with *Tuff-Cote* and let dry out fully before re-coating.

Apply a uniform layer, not thicker than the maximum size aggregate, using a steel trowel. Depending upon the temperature, relative humidity, sun and wind conditions the floating of *Tuff-Cote*, using a plastic float, may commence almost immediately, or after 10 – 15 minutes. The floating provides the flat and uniform surface and controls the desired texture.

### Curing

*Tuff-Cote* will setup in 1 - 4 hours and fully cure in 5 days depending on atmospheric conditions.

### Clean Up

All tools and equipment must be cleaned with water immediately. Dry *Tuff-Cote* must be removed mechanically or it can be dissolved with acetone.

### AVAILABILITY AND COST

*Tuff-Cote* is available worldwide. Contact the manufacturer for the name of the nearest Representative/Distributor and pricing information.

### MAINTENANCE

No maintenance is required. *Tuff-Cote* is self-cleaning. The atmospheric dust collected on the surface can be easily cleaned by using a water based detergent and water.

### TECHNICAL SERVICE

For advice on suitability of *Tuff-Cote* for specific application, specification assistance and application advice contact Technical Service: US 888-443-6483 or Canada 905-672-2020.

### WARRANTY

A limited twelve (12) month Material Replacement Warranty is available. For complete details contact Gemite's Head Office.

### Short Specification

The textured coating will be a water based, pure acrylic resin system, *Tuff-Cote* [specify color and texture] as manufactured by Gemite Products Inc., [USA 888-443-6483] [Canada 905-672-2020]. It will be applied in accordance with Gemite's current Guide Specifications and Application Instructions. It will meet all the Technical Data specified in the current *Tuff-Cote* Product Data Sheet.