

PRODUCTNAME

# Graffiti-Shield® Plus

## Anti-Graffiti Coating

MANUFACTURER

Gemite® Products Inc.

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FEATURES

- Superior graffiti-protection
- Easy to clean
- Superior durability
- High abrasion resistance
- Excellent UV resistance
- Superior bond
- Fungus and mold resistant
- Highly freeze/thaw resistant
- Non-flammable
- Economical
- Spray, roller or brush applied
- High chemical resistance

PRODUCT DESCRIPTION

Basic Use

Super tough coating prevents graffiti penetration and allows easy removal of graffiti and protects against strong acids and other chemicals causing deterioration.

*Graffiti-Shield Plus* is suitable for exterior and interior applications on vertical walls, columns, barriers, water tanks and other surfaces susceptible to graffiti and chemical attack.

Composition and Materials

*Graffiti-Shield Plus* is a solvent borne urethane, high performance Anti-Graffiti Protective Coating, supplied as a two Component Kit.

Limitations

Do not apply *Graffiti-Shield Plus* when the surface temperature is lower than 5°C (41°F), when rain is imminent or when relative humidity is likely to exceed 90% at the time of application and several hours thereafter. Cold conditions or condensation adversely affect the appearance of the dried film. The proper surface preparation is essential for successful *Graffiti-Shield Plus* application. All surface voids should be filled and any existing coating should be removed before the application of the *Graffiti-Shield Plus*. Do not apply over glazed surfaces.



The Advanced Materials Centre

Health and Safety

Avoid contact with skin and eyes, particularly when mixing two components. May cause irritation and skin and lung sensitization. If contact with skin occurs, clean off immediately with a rag and wash with soap and water while removing contaminated clothing. Call physician if irritation persists. If eye contact occurs, flush with running water for at least 15 minutes. Combustible in the liquid state. Prevent contact with water, causes reaction. Do not use near naked flame or on very hot surfaces and do not smoke when using *Graffiti-Shield Plus*. Ground containers when pouring. Use only in well ventilated areas and avoid breathing vapor. Wear protective equipment. For serious exposure by inhalation, remove victim to fresh air and obtain medical attention as needed. If ingested do not induce vomiting. Obtain medical attention immediately. Keep product out of reach of children. FOR INDUSTRIAL USE ONLY. Consult MSDS for additional information.

Color

Clear and a variety of Colors.

Packaging

Both *Graffiti-Shield Plus Primer & Top Coat* consist of 2 components. Component A, packaged in a 2.0 L (0.53 USG) can and Component B packaged in a 2.0 L (0.53 USG) can.

Yield

*Graffiti-Shield Plus Primer Kit* covers approximately 6.1 - 7.3 m<sup>2</sup>/L (250 - 300 ft<sup>2</sup>/USG) @ 75 - 66 microns (3 - 2.5 mils) per one (1) coat. *Graffiti-Shield Plus Top Coat Kit* covers approximately 4.9 - 6.1 m<sup>2</sup>/L (200 - 250 ft<sup>2</sup>/USG) @ 110 - 90 microns (4.5 - 3.5 mils) per one (1) coat

Storage and Transportation

*Graffiti-Shield Plus Primer & Top Coat* has a shelf-life of 12 months when stored in unopened containers on pallets in a cool dry area. Pack aged 60 kits per pallet.

TECHNICAL DATA - Graffiti-Shield Plus Top Coat

Viscosity @ 25°C (77°F)	3 Poise, #4 Ford Cup, 90 sec	
Flame Spread	Class 1	
Overcoating	after 8 hours. Sand down well if left for 24 hr.	
Toxicity	non-toxic pigmentation and inert in dry film	
Drying Times (@ 20°C (68°F))	Wet edge	1/2 hr
	Touch	1 hr
	Hard dry	24 hr
	Full cure	7 days
Temperature Resistance	continuous 150°C (300°F) short periods 200-250°C (390-480°F)	
Free Isocyanates (part B only)	less than 0.1%	

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07100 Waterprooing  
09800 Anti-Graffiti Coatings

Pot Life	4-6 hours @ 20°C (68°F)
Volatile Organic Content	complies with E.P.A. rules
Flash Point	46°C (115°F)

## INSTALLATION

Current Guide Specifications and Application Instructions contain information specific to each application and must be followed. Gemite's Technical Service must be consulted before starting a project to ensure that the correct surface cleaning, preparation and application procedures are followed.

### Surface Preparation

Remove all loose material, dirt and existing paint by dry or wet sand blast, or high pressure water blasting (min. 6-8,000 psi). Repair the surface, if necessary, using *Gem-Plast TC* (up to 6 mm/1/8") or *Fibre-Patch OV*. All surface voids and openings (especially masonry surfaces) must be filled and surface must be smooth prior to the application of *Graffiti-Shield Plus* to provide the protection and allow easy removal of graffiti.

### Mixing

*Graffiti-Shield Plus Primer* and *Top Coat* must be stored at 20°C (68°F) temperature for 24 hours prior to mixing and application. Use metal pail and power drill with a paint mixing paddle. Empty the cans of Component A to B and mix thoroughly. Do not split the cans. The pot life is 4-6 hours at 20°C (68°F).

### Application

*Graffiti-Shield Plus* is a two coat system, consisting of *Graffiti-Shield Plus Primer* and *Graffiti-Shield Plus Top Coat*.

*Graffiti-Shield Plus Primer & Top Coat* can be applied by brush, roller and airless spray to most surfaces. Air and surface temperatures must be higher than 5°C (41°F) and humidity less than 80%.

For brush/roller applications, 5-10% of the *Graffiti-Shield Plus Thinner* may be added to improve the open (wet edge) time. Use a solvent resistant rollers with a short nap, approx. 6 mm (1/4"). The shorter nap minimizes the amount of air bubbles in the film.

Spray applications require a competent and experienced applicator. For spray applications up to 15% the *Graffiti-Shield Thinner* may be used.

Apply a thin coat of *Graffiti-Shield Plus* and brush (roll) out any runs immediately (before drying out), to assure and even and smooth application.

Re-coat time is 4 - 6 hours under normal conditions. After 24 hours the *Graffiti-Shield Plus* must be sanded well to remove gloss before over coating.

## Curing

*Graffiti-Shield Plus* should be allowed to cure for at least 7 days to reach its full strength and resistance to graffiti defacement.

## Clean Up

All tools and equipment should be cleaned with *Graffiti-Shield Plus Thinner*, Toluene or Xylene immediately after use.

## AVAILABILITY AND COST

*Graffiti-Shield Plus* is available world wide. Contact the manufacturer for the name of the nearest Representative/Distributor and pricing information.

## MAINTENANCE

For graffiti removal from *Graffiti-Shield Plus* treated substrates use solvents free of methylene chloride. Ketones (cyclohexanone), PM Acetate, Xylene or MEK are recommended. Wipe surfaces clean with dry, clean cloth.

## WARRANTY

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

## TECHNICAL SERVICE

For advice on suitability of *Graffiti-Shield Plus* for specific application, Specification assistance and Application Instructions, contact Technical Service: USA 888-443-6483 or Canada 905-672-2020.

## Short Specification

The anti-graffiti protective coating will be urethane based *Graffiti-Shield Plus*, manufactured by Gemite Products Inc., [USA 888-443-6483] [Canada [905-672-2020]]. It will meet all the Technical Data specified in the current *Graffiti-Shield Plus* Product Data Sheet.