

PRODUCT NAME

# Graffiti-Shield ST WB

## Waterborne Anti-Graffiti Coating



MANUFACTURER

**Gemite® Products Inc.**

USA	CANADA
160-3480 East Robinson Rd.	1787 Drew Road
Amherst, N.Y. 14228	Mississauga, Ontario L5S 1J5
Phone 800-724-5944	Phone 905-672-2020
Fax 716.835.9100	Fax 905.672.6780

FEATURES

- Excellent graffiti-protection
- Easy to clean
- Superior durability
- High abrasion resistance
- Excellent UV resistance
- Superior bond
- Fungus and mold resistant
- Nonflammable
- Economical
- Spray, roller or brush applied
- High chemical resistance

PRODUCT DESCRIPTION

Basic Use

Anti-graffiti protection of wall surfaces.

Composition and Materials

*Graffiti-Shield ST WB™* system consists of clear *Graffiti ST WB Coating* and *Graffiti ST WB Cleaner*. *Graffiti-Shield ST WB* system is suitable for interior or exterior application & does not change the color of a painted substrate, but it will slightly darken an uncoated surface.

*Graffiti-Shield ST WB* is a waterborne, modified acrylic polymer emulsion based, high performance coating, especially formulated for graffiti protection of concrete & walls painted with *Tuff-Flex*, *Rain-Shield Stain* and other wall coatings manufactured by Gemite-Products Inc. *Graffiti-Shield ST WB* will also function on concrete brick and stucco, to varying degrees depending upon the porosity of the substrate.

*Graffiti-Shield ST WB Cleaner*, an emulsified solvent cleaner, is used to remove graffiti. After approximately 20-30 cleanings, the graffiti-repency of the coating surface is diminished and its anti-graffiti function needs to be restored by re-coating the surface with *Graffiti-Shield ST WB*.

Limitations

Do not apply *Graffiti-Shield ST WB* when air temperature or surface temperature are or likely to be lower than 41°F (5°C) or when rain is imminent.

Check for bond of *Graffiti-Shield ST WB* prior to its application over previously painted surfaces. It is important that the surfaces to which *Graffiti-Shield ST WB* is to be applied are smooth.

Highly porous surfaces with bug holes and roughness will allow the graffiti materials to “lock” in the surface crevices and make the cleaning much more difficult.

**Some graffiti may remain on rough surfaces, even after the cleaning.**

Health and Safety

*Graffiti-Shield ST WB* and *Graffiti-Shield ST WB Cleaner* are non-toxic, non-hazardous and nonflammable. If contact with skin occurs, wash with water. Harmful if digested. Keep the products out of reach of children. For industrial use only. Consult MSDS for additional information.

Colors

*Graffiti-Shield ST WB* is a clear coating. If a color is required, use *Tuff-Flex* or *Rain-Shield Stain WB* first to achieve the desired color.

Packaging

*Graffiti-Shield ST WB Coating & Cleaner* are packaged in 20 L (5.26 USG) pails.

Coverage

*Graffiti-Shield ST WB Coating* covers approx. 6.1-7.3 m<sup>2</sup>/ L (250-300 ft<sup>2</sup>/ USG ). *Coverage of Graffiti-Shield ST WB Cleaner* will vary considerably with the type and age of the graffiti and the surface roughness.

Storage and Transportation

*Graffiti-Shield ST WB* has a shelf-life of 12 months when stored in unopened containers on pallets in a cool dry area.

TECHNICAL DATA (*Graffiti Shield ST WB*)

Viscosity	3 Poise , #4 Ford Cup 90 sec. @77°F (25°C)	
Toxicity	Non-toxic in liquid or dry form	
Drying Times	Wet edge	½hr.
	Touch	1 hr
	Full cure	2 days at 68°F (20° C)
Solids content by weight	20 %	
Volatile Organic Content	Complies with E.P.A. Rules	
Flash Point	non-flammable	

INSTALLATION

Current Guide Specifications and Application instructions contain information specific to each application and must be followed.

Surface Preparation

Remove all loose, delaminated and oil contaminated concrete and clean the surface by a high pressure water or other means to remove any laitence, dust, dirt, oil and loose paint.

Gemite Products Inc.  
July 2002

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1099623 Graffiti Resistant Coatings  
1099635 Chemical Resistant Coatings

*Acid cleaning is not recommended.* If the surface is rough, trowel a thin layer of *Gem-Plast TC* to obtain a smooth surface. In some cases, where a smooth surface can not be achieved, the effectiveness of graffiti protection may be reduced due to its roughness & porosity .

### **Application**

One coat of *Graffiti-Shield ST WB* is sufficient for most applications. Apply *Graffiti-Shield ST WB* to a small, inconspicuous surface area to test the product compatibility with the substrate. Previously painted surfaces should be to check for bond with *Graffiti-Shield ST WB*. If a color is required, use *Tuff-Flex* or *Rain-Shield WB* (waterborne) to paint the surface first. *Graffiti-Shield ST WB* can be applied by airless spray, brush, or roller. Use approx. 1/4 in (6 mm) nap, shorter the better, as higher nap may introduce air bubbles in the film. *Graffiti-Shield ST WB* should be applied in a thin coat, so that runs do not occur. Any runs should be brushed or rolled out as they occur, and not allowed to cure hard.

On rough surfaces, that may “lock in” the graffiti, apply two coats of *Graffiti Shield ST WB*.

### **Curing**

*Graffiti-Shield ST WB* will air dry to tack free surface in approximately one half to one hour depending on temperature and relative humidity. It will achieve a full cure within several days.

### **Equipment Clean Up**

All tools and equipment should be cleaned with water immediately after use. Dried film can be removed by acetone.

### **AVAILABILITY AND COST**

*Graffiti-Shield ST WB* is available worldwide. Contact the manufacturer for the name of the nearest Representative/Distributor and pricing information.

### **MAINTENANCE**

To remove graffiti from *Graffiti-Shield ST WB* treated substrates apply *Graffiti-Shield ST WB Cleaner* by spraying, rolling or brushing. Spraying is preferable, particularly on rougher surfaces. Let the *Cleaner* act on the graffiti for 10-15 minutes and then wash with 2,000-2,500 psi (14-17 MPa) high pressure water. **Some graffiti may remain on rough surfaces even after the cleaning.**

After approximately 20-30 graffiti removals the surface will require application of *Graffiti-Shield ST WB*.

### **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 ST WB* for specific application, Specification assistance and application advice, contact Technical Service: USA 888-443-6483 or Canada 905-672-2020.

### **Short Specification**

The anti-graffiti protective coating will be waterborne, modified acrylic *Graffiti-Shield ST WB*, manufactured by Gemite Products Inc., [USA 888-8844384 [Canada 905-672-2020]. It will meet all the Technical Data specified in the current *Graffiti-Shield ST WB* Product Data Sheet.