

PRODUCT NAME

Graffiti-Shield ST WB

Waterborne Anti-Graffiti Coating



MANUFACTURER

Gemite® Products Inc.

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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 is a Non-Sacrificial anti-graffiti coating, consisting of clear *Graffiti-Shield ST WB* coating and *Graffiti-Shield ST WB Cleaner*.

Graffiti-Shield ST WB system is suitable for both, Exterior or Interior applications. It 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 walls painted with *Tuff-Flex*, *Rain-Shield Stain* and other wall coatings. *Graffiti-Shield ST WB* can also be used on concrete brick and stucco to varying degrees depending upon the porosity of the substrate.

Graffiti-Shield ST WB Cleaner is an oil based graffiti remover.

After approximately 20-30 cleanings, the graffiti repellence is diminished and 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 or surface temperatures are expected to be lower than 41°F (5°C), or when rain is imminent.

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

Highly porous surfaces with bug holes & roughness will allow the graffiti materials to “lock” in the surface crevices & 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 SDS for additional information.

Colors

Graffiti-Shield ST WB is a clear coating.

If a color is required, paint wall using *Tuff-Flex* or *Rain-Shield Stain WB* first to achieve the desired color.

Packaging

Graffiti-Shield ST WB is packaged in 20 L (5.3 USG) pails.

Graffiti-Shield ST WB Cleaner is sold in 20 L (5.3 USG) pails.

Coverage

Graffiti-Shield ST WB covers approx. 6.1-7.3 m²/ L (250-300 ft²/ USG).

The actual coverage will depend on surface roughness, application technique and the thickness applied. The applicator must carry out a sample application to determine the actual coverage for the given substrate and application thickness.

Yield 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 & Cleaner have 12 months shelf-life, 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	½ hr
	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	Nonflammable	

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July 2002

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1099623 Graffiti Resistant Coatings
1099635 Chemical Resistant Coatings

INSTALLATION

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

Surface Preparation

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

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 cannot be achieved, the effectiveness of graffiti protection may be reduced due to the surface 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.

Proper bond of *Graffiti-Shield ST WB* to a previously painted surfaces must be checked.

If a color is required, use *Tuff-Flex* or *Rain-Shield WB (water-borne)* to paint the surface first.

Graffiti-Shield ST WB can be applied by airless spray, brush, or roller. Use approx. 1/4" (6 mm) nap roller (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 soon 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 approx. ½ to 1 hour depending on temperature and relative humidity.

Equipment Clean Up

All tools and equipment should be cleaned with water immediately after use. Dried film can only 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 *Graffiti-Shield ST WB Cleaner* act on the graffiti for 10-15 minutes, before washing with high pressure water 2,000-2,500 psi (14-17 Mpa).

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

After approximately 20-30 graffiti removals the surface will require re-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 project, specification assistance and application advice, contact Technical Service: USA 888-443-6483 / 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 in the current *Graffiti-Shield ST WB* Product Data Sheet.