

GRAFFITI PROOFER®

GPA-300

PRODUCT PROFILE

DESCRIPTION:

The GPA-300 Graffiti Proofer is a patented, single component, nanotechnological, permanent, non-stick coating that allows most graffiti to be removed with a dry cloth or via pressure washing under 1000 psi. The Graffiti Proofer does not allow graffiti, paint, adhesives, stickers, tapes and most markers to bond to the dry film. The Graffiti Proofer allows for expansion and contraction, building movement, temperature extremes, thermal cycling and freeze thaw cycles.

The Graffiti Proofer incorporates a unique polymer with an extended nanoparticulate that produces an extremely high slip coefficient. The Proofer utilizes three different cross-linking mechanisms that provide depth of penetration, substrate adhesion and film durability that aid in the coatings release performance. The Graffiti Proofer is water-clear, UV stable, heat stable and chemical resistant. This product forms a mechanical and chemical bond to inorganic materials and uniquely has organic functionality making it virtually universal in its application. This product is non-toxic, non-reactive, AQMD and CARB compliant and is globally VOC compliant.

PERFORMANCE CRITERIA:

ASTM D6578 - Graffiti Resistance Test (Level 10)
ASTM D4587 - Accelerated Weathering

TECHNICAL DATA

FINISH:	Semi-gloss after cured. Flat within 3 months after application.
COLOR:	Clear
VOLUME SOLIDS:	35%
RECOMMENDED DFT:	2 MILS DFT ; 6 MILS WFT
FLASH POINT (SETA):	199°F (93°C)
CURING TIMES @ 75°F (24°C):	
To Touch:	2 - 3 hours
Full Cure:	4 - 5 hours (Full moisture and graffiti protection)
To Recoat:	30 min. - 2 hours
VOC:	85 g/L
NET WEIGHT:	12 lbs/Gal
PACKAGING:	5-gal UN metal containers
SHELF LIFE:	12 months in unopened containers in applicable storage.
STORAGE & HANDLING:	Store between 40°F (4°C) to 90°F (32°C) in a cool, dry, well-ventilated area, out of direct sunlight and moisture. <i>(Must be stored and handled in compliance with all current local regulations for flammable liquids. This product will react with atmospheric moisture. Keep unused material tightly closed at all times.)</i>
HEALTH & SAFETY:	<i>Paint and related products contain chemical ingredients that are considered to be hazardous. Read container label and MSDS for important health and safety information prior to use.</i>

TYPICAL COVERAGE RATES

<u>SUBSTRATE</u>	<u>FT² / GALLON</u>		<u>SUBSTRATE</u>	<u>FT² / GALLON</u>	
CONCRETE	125	- 200	WOOD	150	- 200
BRICK	125	- 175	ROUGH PAINTED	175	- 225
C.M.U.	125	- 175	SMOOTH PAINTED	225	- 300
SPLIT-FACED BLOCK	125	- 150	METAL(s)	225	- 300
STUCCO	150	- 225			

(Greater coverage rates may be achieved depending on substrate specifics)



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SURFACE PREPARATION

*THIS PRODUCT IS NOT INTENDED FOR HORIZONTAL SURFACES
SUBJECTED TO FOOT AND/OR VEHICULAR TRAFFIC*

ALL SURFACES:

The surface is to be dry, clean and free of any foreign matter including corrosion, hydrocarbons, moisture, ice, efflorescence, silicones, fluoro-products, etc. Some porous substrates may require more than one coat; always test the coatings adhesion and performance before a full application. In order to ascertain substrate porosity, a Rilem tube test can be done. To help achieve greater coverage rates when applying to a porous substrate, first apply SEI Industrial's SCS-002SP in accordance with manufacturers' suggested application guidelines. Allow porous substrates to dry for a minimum of 72 hours after pressure washing. After rain, allow 48 hours to dry. New concrete should be allowed to cure for 28 days. All caulking and finishing should be done before Graffiti Proofer application. Apply the SCS-002SP Sealer Prime to mineral substrates, prior to applying the Proofer, to prevent the substrate from darkening. Prior to application, protect all glass, vehicles and surrounding surfaces from overspray. Always apply to a test area before proceeding with entire application.

SURFACE TEMPERATURE:

40°F (4°C) to 100°F (38°C). Surface should be dry (at least 5°F (3°C) above the dew point) with no damp or frozen moisture within the substrate. *This product will cure slower in lower temperatures.*

APPLICATION

MIXING:

Mix well by shaking the product container. After mixing, ensure the product is clear in appearance, consistent in thickness and that there is no settled/cured material within the container. Any cured or foreign material must be removed, by pouring the product through a paint strainer, prior to application.

POT LIFE & THINNING:

Do not thin. Pot life can vary dependent upon temperature and humidity. Application time should not exceed 8 hours after the product has been opened.

EQUIPMENT:

Apply via HVLP, airless sprayer, pump sprayer, aerosol can, roller or brush. Use a flood coat and apply liberally.

ROLLER:

Use a ½" synthetic nap roller. Apply to porous substrates from the bottom up. To help ensure the product penetrates porous substrates, saturate the roller and apply slowly, allowing excess product to build on top of the roller.

SPRAY:

Use a clean, independent line when spraying and use a .011 -.021" spray tip. Apply from top to bottom, chasing runs, and back-roll if needed. This will typically provide a 6 MIL WFT and 2 MIL DFT. Product can be applied wet-on-wet or wet-on-dry. For optimum performance allow the first coat to fully dry and cure before applying the second coat.

CLEANUP:

Flush and clean all equipment immediately after use. MEK (Methyl Ethyl Ketone) is the preferred cleaning solvent, but mineral spirits may also be used. If flushing with mineral spirits, extreme care must be taken to ensure that ALL product is removed from spray lines.

***NOTE:** If the intended use of the Graffiti Proofer is for protection against marker graffiti, it is advised that a minimum of 2 coats be applied and each new coat be allowed to reach a full cure prior to applying additional coats. A single coat may be sufficient for paint and sticker graffiti, but a second or third coat can provide added protection. For optimum performance, allow the individual coats to fully cure before applying the next application. See Product Limitations.*



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MAINTENANCE

Remove graffiti as soon as possible after surface has been vandalized.

To remove graffiti, success has been achieved by using:

- A dry rag or cloth.
- Pressure wash: Less than 1000psi.
- *To remove markers always use a dry cloth first.
- Water and detergent at no more than 10% with a rag or cloth.
- SEI's TWL-200 Graffiti Remover Towels or SEI's Graffiti Remover GR-SYS-P.
- Flush the coating with water after chemical cleaning to ensure the integrity of the coating.
- Always test chemical cleaners before moving into a full application.
- If the coating has been damaged or removed, make sure the surface is clean and dry and reapply as described in the *Application* section.

LIMITATIONS

Product application must not be initiated during inclement weather or when precipitation appears to be imminent. Product must not be applied to wet, frozen or dirty surfaces. Product must not be applied when conditions are windy, as over spray is a hazard and environmental contaminants dispersed from windy conditions can land in the coating during curing. The product must be checked and reapplied as needed in the specific area that has undergone a graffiti removal. Always apply test area before proceeding with entire application.

The Graffiti Proofer may darken or 'wet out' certain mineral substrates. An application of *SEI's SCS-002SP Sealer Prime* may prevent this (See *Product Data Sheet*). The Proofer's cured film is considered to be soft and can be damaged during an improper graffiti removal. Product application and graffiti removals should only be carried out by trained or certified personnel, in order to maintain the coating's integrity, performance, longevity and warranty. Over time, dirt and/or other environmental contaminants may accumulate on the Proofer's cured film, causing it to appear darkened. A written statement, describing the potential for environmental contaminant accumulation on the film, must be provided to, and signed by, the structures' owner prior to product application over any white or other lightly colored substrates. Environmental contaminants should be removed via water flushing only; do not use chemicals to remove dirt from the coating's film.

*Certain permanent and indelible markers can penetrate the Graffiti Proofer. Always first try to remove markers with a dry cloth only. If success is not achieved, resort to using SEI's TWL-200 Graffiti Remover Towels. If attempts to remove the marker, per the product specifications, fail, remove the coating from the area in question with a paint scrapper, paint stripper chemical or by pressure washing over 1000psi. Take care to only remove the exact area that is damaged and reapply the Proofer to the removed area per the application guidelines. For more secure protection against markers, apply a minimum of 3 coats and allow each separate coat to reach a full cure before applying the next coat. If problems occur with substrate or coating-to-coating adhesion, or graffiti removal, always consult your local SEI Industrial Chemicals Area Developer for assistance. The Graffiti Proofer's adhesion may vary depending on the substrate to which it is applied. The Proofer may not adhere well to certain plastics or other cured coatings. Before carrying out a full application, it is vital that an adhesion test is done and the coating's application, to a test site, is approved in writing by the structure owner.

**If the coating has been damaged or removed, make sure the surface is clean and dry and reapply as previously described in the *Application* section.

WARRANTY

SEI Industrial Chemicals - (*SEI*) warrants our products to be free of manufacturing defects in accord with applicable *SEI* quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by *SEI*. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SEI, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Please consult your SEI Industrial Area Developer for application, graffiti removal, specification and design and warranty assistance.