



GRAFFITI PROOFER[®] NANO-BASE GPA-400

PRODUCT PROFILE

DESCRIPTION:

The next generation of nanotechnological non-stick protective resin is here. The GPA-400 is a nonstick coating with leading-edge durability, hardness and chemical resistance. GPA-400 is single component, water-clear, UV stable, heat stable and dries to the touch in 2 hours. The GPA-400's resin is a hybrid consisting of a patented methyl extended siloxane diol that is coupled with a unique nano-ceramic particulate, which together provide both leading edge durability and a very high slip coefficient. The GPA-400 does not allow paint, graffiti, permanent marker, stickers, gum, road tar, cement and other markings or environmental contaminants to bond to the dry film. This product is environmentally friendly, non-reactive, VOC, AQMD and CARB compliant.

PERFORMANCE CRITERIA:

ASTM D6578 -- Graffiti Resistance (*Exceeded Requirements*)
 ASTM D3363 -- Hardness: 6H on chrome treated aluminum
 ASTM D3359 -- Adhesion: 90 – 100% on chrome treated aluminum

TECHNICAL DATA

FINISH:	Glossy
COLOR:	Clear
VOLUME SOLIDS:	40%
RECOMMENDED DFT:	0.25 – 0.50 mils
BOILING POINT:	282°F (138.8°C)
FLASH POINT (SETA):	109°F (42.7°C)
FREEZING POINT:	-33°F (-36.1°C)
CURING TIMES @ 75°F (24°C):	
To Touch:	2 hours
Full Cure:	3 -- 5 days
To Recoat:	15 -- 20 minutes (<i>Wet-on-wet ONLY</i>)
VOC:	0 VOC's from non-exempt solvents
NET WEIGHT:	11.2 lbs/gal
PACKAGING:	1-gallon pail, 5-gallon pail & 55-gallon drum
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

SUBSTRATE	FT ² / GALLON	SUBSTRATE	FT ² / GALLON
CONCRETE	500 - 600	WOOD	400 - 550
BRICK	350 - 400	ROUGH PAINTED	600 - 650
C.M.U.	400 - 450	SMOOTH PAINTED	700 - 750
STUCCO	350 - 400	METAL(s)	700 - 800

(Coverage rates may vary depending on substrate specifics)



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SURFACE PREPARATION

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. 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 Chemicals 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. All caulking and finishing should be done before product 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 test the coatings adhesion and performance before a full application.

CONCRETE:

New concrete should be allowed to cure for 28 days. All caulking and finishing should be done before product application. Concrete temperature must be at least 60°F (16°C) during the coating application. Blast areas to be coated using sharp, angular abrasive grit. Use steel shot of SAE 230-330 to prepare surface using a "Blastrac[®]" or similar device. The operator of this device should be experienced; concrete can be damaged by holding in one localized area for extended times or using shot of improper size. The concrete surface shall be finished with a rough edge, free of chemical or environmental contamination, dry, clean of loose debris and of adequate surface strength. All surfaces are to be vacuumed or blown-down with oil-free, moisture-free air. Neutralize acidic and alkaline surfaces; remove grease, standing oil, old coatings, sealants and dirt. SCS-002 SP Sealer Prime is the approved sealer to be used as a primer for the GPA-400.

METAL:

In direct to metal applications, you must remove abrasive and chemical corrosion, as any existing corrosion may continue to propagate and ultimately result in coating failure. Full flood coats are key, as the goal is a pinhole free film. If there is doubt after application that pinholes do exist, one may recoat wet-on-wet to correct the problem. Allow a minimum of 15-20 minutes between coats. Always apply to a test area before proceeding with entire application.

SURFACE TEMPERATURE:

60°F (15.5°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. Relative humidity must be below 85%. *This product will cure slower in lower temperatures.*

APPLICATION

Always consult the GPA-400's Material Safety Data Sheet prior to application. The GPA-400 is typically applied in 1 coat at a recommended thickness of 0.25 - 0.50 mils DFT, depending on application and substrate. Apply via HVLP, ¼ " nap non--shed roller, brush or by dipping. Apply product uniformly and avoid pooling. The GPA-400 is considered a "thin film performer" and pooling will cause the cured film to crack.

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 and is ultimately determined by the precautions taken to keep containers tightly sealed and protected from moisture. Application time should not exceed 8 hours after the product has been opened.



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CLEANUP & DISPOSAL:

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. Cured material cannot be removed with solvents. Dispose of waste material and packaging at an incineration facility permitted for waste disposal.

MAINTENANCE

To remove graffiti, success has been achieved by using:

A dry, soft & lightly abrasive material.

Pressure wash: Less than 1000psi.

Water and detergent at no more than 10% with a rag or cloth.

Seicoat TWL-200 Graffiti Remover Towels or Seicoat Graffiti Remover GR--SYS--P.

Any light alkaline, citrus or acetone cleaner.

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.*

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. Always apply test area before proceeding with entire application.

The GPA-400 may darken or 'wet out' certain mineral substrates. An application of *Seicoat SCS-002SP Sealer Prime* may prevent this (See *Product Data Sheet*). 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.

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.