



SEI GRAFFITI PROOFER® ANTI-STICK GPA-200

PRODUCT DESCRIPTION

GPA-200 is a highly fluorinated and leading-edge coating formulated for applications requiring extremely high-slip characteristics, chemical resistance and long-term non-sacrificial performance. The 200 is a single component and zero VOC industrial grade coating that dries in 4-6 hours and fully cure in 24 hours. This product exhibits outstanding anti-stick and long-term performance properties. The GPA-200 is the world's first graffiti deterrent coating as many spray paints, lacquers, enamels and adhesives chemically cannot adhere. When vandalized many paints crawl together and will run off the surface, thus deterring the vandal from continuing. The highly fluorinated polymer makes this coating impervious to UV degradation and is highly resistant to graffiti, hydrocarbons and a wide variety of chemicals.

This high performing coating protects surfaces from graffiti, corrosion, abrasion and chemical attack. GPA-200 is a clear, penetrating non-yellowing, non-whitening and non-toxic product that is zero VOC and AQMD compliant. GPA-200 is stocked in gloss and can be made in matt finishes. This coating exhibits outstanding weathering characteristics and is ideal for limited immersion service on marine, aerospace, architectural, construction, industrial and automotive equipment. It provides a high quality finish, and offers world-class performance with an expected life span exceeding 20 years. Use on ferrous and non-ferrous metals, masonry, concrete, brick, stone, wood, fiberglass, carbon fiber, etc. This product has a 10 year performance and manufacturer defect warranty. The 200 exceeded the performance requirements for ASTM 6578 Graffiti Resistance Test.

- Outstanding Hydrophobic and Oleophobic surface properties
- Highly flexible and outstanding impact and abrasion resistance
- Low surface energy and high slip characteristics
- Highly resistant to attack by hydrocarbons and chemical products
- Completely insensitive to UV radiation

PERFORMANCE CHARACTERISTICS

- ASTM 6578 Graffiti Resistance Test
- ASTM B 117 and ASTM D 714 - Salt Spray - 8000 Hours
- ASTM D 530
- ASTM 412 - tensile strength and elongation
- ASTM D 522 - pass 3/8 inch mandral
- ASTM 968 - abrasion
- Water-clear, non-yellowing, free of waxes
- Non-toxic, non-flammable, biodegradable, pH 7-8.5
- MEK: No effect after 5-days
- Carboxylic Acid - No effect after 5-days
- 75% Phosphoric acid - No effect after 5-days
- 50% Sulfuric Acid - No effect after 5-days
- 37% HCL - 3 hours no blister
- 20% NIT 68 hours no blister

COLORS & FINISHES

Clear - High Gloss - > 90 / 60°, Semi-Gloss - 50-60 / 60°, Low Sheen - 30-40 / 60°

APPLICATION

For optimum appearance properties - spray two coats to a minimum of 2 mils DFT / 50 microns DFT. Always allow each coat to “flash off” to a tacked state prior to applying a following coat. Can be spray, brushed or rolled in one coat, unreduced to the recommended DFT. Must not be applied to surfaces at ambient temperatures above 35C / 95F. For optimum application properties, the temperature of the material should be between 10C and 25C/50F and 80F prior to mixing and application. Apply the coating only when the surface temperature is more than 5F or 3C above the dew point temperature of the surrounding air and relative humidity is below 85%, in order to prevent moisture condensation on the surface. Always apply test area before proceeding with entire application. This product is moisture sensitive. Open containers are considered contaminated.

ACTIVATION and POT LIFE

GPA-200 is a single component product supplied in one container. Spray Viscosity: 21-25 seconds #2 Zahn. GPA-200 must be thoroughly mixed by mechanical agitation. Following agitation with a paint stick, ensure that all settled material is mixed and/or removed. Agitate for approximately 1-2 minutes. Do not reduce GPA-200. GPA-200 requires no induction period. GPA-200's pot life will vary and will shorten in conditions of higher humidity and temperature. Once the container is opened the product is workable for 3-7 hours. All materials should be used in one application.

SURFACE PREPARATION

Suitable substrates include concrete, block, metal, galvanized metal, aluminum, fiberglass, carbon fiber and wood. Good surface preparation and cleaning of all substrates to be coated is essential for optimum performance of the coating system. All surfaces to be coated should be clean, dry and free from corrosion and contaminants. For old or previously finished surfaces, the degree of preparation and cleaning required is dependent upon the condition of the substrate.

COVERAGE

GPA-200 exhibits excellent coverage when spray applied. Always test product over a small section to ensure adequate coverage and esthetics prior to general application. Apply GPA-200 at approximately 300-400 sq/ft per mixed gallon. Coverage rates will vary depending on the porosity of the substrate.

CURING & POT LIFE

Dry time at 21C/70F ambient air cure. Tack free: 4-6 hours. Full Cure: 24 hours. Elevated Curing 40C-60C / 105F-140F for 40 minutes. 1 ½ hours at 32C/90F. Times may vary with environmental and/or climatic conditions. This material is moisture sensitive. The product must be kept covered at all times after mixing and during application to prevent contamination and prevent moisture absorption.

STORAGE & HANDLING:

Hazardous Goods: Paint, Flammable Liquid, UN1263 Class III Hazchem 3YE. VOC content: 0 g/L. Must be stored and handled in compliance with all current local regulations for flammable liquids. Store in cool, dry, well ventilated (5C-35C / 40F-95F) areas, out of direct sunlight and moisture. Shelf Life: 6 months. Ensure product is consistent in thickness after stirring.

DISCLAIMER:

The information provided is to be used as a guide and users should perform their own tests to ensure performance in their application. All data, statements, and recommendations made herein are based upon information we believe to be reliable, but are made without any representation, guarantee or warranty of accuracy. All statements, technical information and recommendations contained herein are based on tests SEI Chemical believes to be reliable, but the accuracy or completeness thereof is not guaranteed. SEI Chemical warrants SEI products will be free from defects when shipped to customer. SEI Chemical's obligation under this warranty shall be limited to replacement of product that proves to be defective. To obtain replacement product under this warranty, the customer must notify SEI Chemical of the claimed defect within six months after shipment of product to customer. All freight charges for replacement products shall be paid by customer. SEI Chemical shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products. Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith. No representation or recommendation not contained herein shall have any force or effect unless in a written document signed by an officer of SEI Chemical. The foregoing warranty is exclusive and in lieu of all other warranties, express, implied or statutory, including without limitation any implied warranty of merchantability or of fitness for a particular purpose in no case shall SEI Chemical be liable for incidental or consequential damages. Limited warranty, for industrial use only. Keep out of reach of children, keep containers tightly closed, not for internal consumption, consult material. Consult Material Safety Data Sheet for more information.