



EXTERIOR VEHICLE PROTECTOR™

EVP-200

PRODUCT DESCRIPTION

The EVP-200 is designed to reduce the maintenance and cleaning cost of keeping your fleet clean and looking like new. EVP-200 is a highly fluorinated coating that also incorporates a nano-ceramic particulate which together will not allow cement, tar, mud, dirt, etc. to adhere. EVP-200 exhibits unsurpassed performance and physical properties and will prevent corrosion, moisture intrusion and UV attack. The EVP-200 coating cures to a hard and non-stick surface, making it impervious to chemicals and environmental contaminants. This self-cleaning coating will eliminate the need for detergents, acids and solvent based products commonly used to clean industrial vehicles and equipment. EVP-200 comes in clear or in any color and will never fade. EVP-200 clear will also prevent fading of underlying coatings. EVP-200 is a two-component, high solids system which exhibits outstanding performance properties, compared to higher build, multi-coat premium and costly systems.

CHARACTERISTICS

A high performance, inert topcoat system designed to overcoat virtually any industrial surface. EVP-200 is ideal for redi-mix concrete trucks and haulers, commercial fleets, industrial equipment, heavy construction equipment, metals and is used in architectural applications. It provides a high quality finish, and offers exceptional all around performance with an expected life span exceeding 20 years.

- Outstanding Hydrophobic and Oleophobic surface properties
- Impervious to moisture, oxygen permeation (Osmotic barrier) and UV radiation
- Highly flexible and outstanding impact and abrasion resistance
- Low surface energy which resists soiling and marking
- Highly resistant to attack by hydrocarbons and chemical products

APPLICATION

For optimum appearance properties, EVP-200 should be spray applied in two coats to a minimum of 3 mils DFT / 75 microns DFT. Always allow the first coat to flash off to a tacked state prior to a following coat. Apply the second coat 15-25 minutes after the first wet on wet. EVP-200 may also be spray applied, brushed or rolled in one coat, unreduced to the recommended DFT. EVP coatings 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 50F or 30C above the dew point temperature of the surrounding air and relative humidity is below 85%, in order to prevent moisture condensation on the surface.

MIXING & ACTIVATION

Mixing ratio 2:1 by volume (2 parts base to 1 part activator). Spray Viscosity: 21-25 seconds #2 Zahn. EVP-200 is a two component coating system supplied in two separate containers. Part B is the base and Part A is the activator. Prior to activation, Base component (Part B) must be thoroughly mixed by mechanical agitation. Following agitation, with a paint stick, ensure all settled material is removed from the can bottom. After activation of Component B and Component A together, agitate for approximately 1-2 minutes. Reduce activated EVP-200 to a maximum of 15% if required with recommended reducer and use immediately. EVP-200 requires no induction period. On metal surfaces, a two part epoxy primer can be applied to 3-4 mils DFT prior to applying EVP-200.

SURFACE PREPARATION

Suitable substrates for EVP-200 include ferrous metal, galvanized metal, aluminum, fiberglass, carbon fiber, concrete, masonry, stone & 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 contaminants. For old or previously finished surfaces, the degree of preparation and cleaning required is dependent upon the condition of the substrate.

COVERAGE

Solids content (+/- 2%) 60% by volume - White. 50% by volume - Clear
Number of Coats 2-3 coats at 50-75 microns / 2-3 mils DFT - White 2-3 coats at 50-75 microns / 2-3 mils DFT - Clear
Coverage (theoretical) 19.66 m² per liter @ 25 microns / 1 mil DFT - White. 963 ft² per gallon @ 25 microns / 1 mil DFT - White 16.39 m² per liter @ 25 micron / 1 mil DFT - Clear 803 ft² per gallon @ 25 microns / 1 mil DFT - Clear

COLORS & FINISHES

White, Clear and a full range of colors are available, including metallic and pearlescent finishes.

CURING

Dry time @ 21C / 70F ambient air cure. Tack free: 4-6 Hours. Hard Cure: 24 hours. Full Cure: 3-5 days. Elevated Curing: 400C - 600C / 1050F - 1400F for 40 minutes

POT LIFE

3 Hours @ 21C / 70F. 1 1/2 Hours @ 32C/90F However, these times may vary with environmental or climatic conditions. This material and its components are moisture sensitive. The product should 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
Shipping Information: 8.30 kg/18.25 lbs. per gallon unit including container - White 6.76 kg/14.9 lbs. per gallon unit including container - Clear. VOC content: 100 grams per liter / 1.57 lbs. per gallon. Flash Point (Seta Flash): 34C / 93F. Storage - EVP coatings must be stored and handled in compliance with all current local regulations applying to flammable or highly flammable liquids. Store in cool, dry, protected storage, well ventilated, between 40F-95F and out of direct sunlight, moisture or rain. Maintain unmixed material in sealed containers at all times.
Shelf Life - EVP-200 has a minimum shelf life of 12 months from the date of manufacture if stored as indicated above, unopened in sealed containers. Ensure that both components are consistent in appearance and thickness after stirring, and ensure that the activator (Part A) is clear and transparent before mixing the components together. Do not use activator that is not visually clear.

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.