



Concrete Coatings & Floor systems

APPLICATION BULLETIN Kemiko® High Solids Polyaspartic High Gloss Clear (SS3900)

Description

Kemiko® High Solids Polyaspartic High Gloss Clear (SS3900) is a two component, high solids polyaspartic coating. This product is mild in odor and exhibits excellent adhesion, abrasion resistance, chemical resistance and hot tire resistance. Kemiko® SS3900 also has a UV resistant formula that extends the life of the epoxy coatings underneath. This product has rapid setting properties that allow for fast return to service time. Kemiko® SS3900 utilizes the best available high solids polyaspartic technology for resistance against atmospheric and chemical exposures.

Applications

Kemiko® SS3900 can be used as a topcoat over properly prepared decorative and industrial epoxy surfaces. Some applications include: warehouse floors, showroom floors, airport maintenance facilities, parking structures, garages, chemical containment areas, residential flooring and many other service areas that require a quick-curing, resilient, chemical resistant protective coating.

Surface Preparation

Concrete

This product is not intended for application directly over bare or porous concrete.

Existing Coatings

Surface must be cured, dry and free from stains and laitance. All visible oil, grease or any other contaminants must be removed prior to application of coating. For best adhesion, the existing coating must be scuffed with a nonwoven abrasive pad, floor buffer with abrasive screen, or orbital sander with sandpaper (80-120 grit) to achieve a rough surface profile. Clean area and wipe existing coating with a rag and acetone to ensure that all oil, grease or any other contaminants have been successfully removed. If existing coating is not a Kemiko® product, consult with a Kemiko® representative prior to application.

Warning: Wear a NIOSH approved respirator to control toxin exposure. Scraping, sanding or removing old paint may release toxic lead dust. Exposure may lead to serious illness, such as brain damage, especially in children. Pregnant women should avoid exposure. Clean up carefully with a HEPA vacuum and a wet mop.

Mixing Instructions

Using a mechanical jiffy-type mixer, blend SS3900 Part B Resin component at slow speed (500-1000rpm) for 1-2 minutes until a homogenous mixture is achieved. Transfer Part B Resin contents into a separate, suitable container that allows for sufficient mixing without overflowing. Next, pour SS3900 Part A Hardener component into the previously mixed Part B component. Ensure that all contents have been transferred from both components into the suitable container. Mix on slow to medium speed (500-1000rpm) for 1-2 minutes. Avoid fast, aggressive mixing as that may entrap air bubbles into the system. Scrape sides of container and then mix for an additional 1-2 minutes, ensuring material is thoroughly blended.

Mixing Tips

- Do not mix product by hand; only use a mechanical mixer. Hand mixing does not properly incorporate the components.
- For best results, prior to mixing, have material as close as possible to an ambient temperature of 77°F (25°C).



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Application Methods

This product can be applied using one of the methods outlined below. Tape off any area that does not require coating. Pour contents in "ribbons" or "strips" across the surface to be coated. Spread material out with a brush or roller to the recommended wet film thickness. A second coat can be applied up to 24 hours after the first coat has reached a dry to touch state. Do not thin material.

- **Brush** - Use high quality bristle brush for best film properties
- **Roller** - Use lambswool or similar cover with phenolic core, 1/4" - 3/8" (6.3 - 9.5mm) nap. De-lint roller prior to use
- **Squeegee** - Use appropriate notched squeegee
- **Spray** - This material is not intended for spray applications

Environmental Conditions

For best results, apply when surface temperature is between 50°F- 85°F (10°C-29°C) and 5°F (3°C) above dew point. Avoid using in direct sunlight. Do not apply on rainy or foggy days.

Clean Up

Use Acetone, Denatured Alcohol, or MEK to clean tools.

Storage Conditions

Store between 50°F-100°F (10°C-37.8°C). Keep in a cool, well-ventilated area, away from direct sunlight and heat. Store in a segregated and safe area, avoiding all possible sources of ignition.

Safety

Care should be taken when using this product. **Contents are flammable. Ensure no sources of ignition are in proximity to the product prior to application. Turn off any pilot lights, water heaters, or any other auto-ignition sources in the area. Do not smoke around the product while applying or while it is drying.** During application, use protective eye wear, proper respirator and protective gloves. Ensure work spaces are well ventilated. Read product label and SDS carefully for more detailed safety information prior to handling or use.

Disclaimer

Information provided in this application bulletin is based on laboratory testing under controlled ambient conditions and is used as a guideline only.

Warranty

The following warranty is made in lieu of all other warranties, either expressed or implied. This product is manufactured of selected raw materials by skilled technicians. Neither seller nor manufacturer has any knowledge or control concerning the purchaser's use of this product and no warranty is made as to the results of any use. The only obligation of either seller or manufacturer shall be to replace any quantity of this product that is proved to be defective. Any claim of defective product must be received in writing within one (1) year from date of shipment. Neither seller nor manufacturer assumes any liability for injury, loss or damage resulting from use of this product.

Contact us for any additional application information.



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