



**Concrete  
Coatings &  
Floor systems**

**TECHNICAL 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.

**Physical Characteristics**

<b>Kit Size</b>	2.0 Gal kits available
<b>Colors Available</b>	Clear
<b>Volume Solids</b>	90% (theoretical)
<b>VOC Contents</b>	<50 g/L (theoretical) Compliant to SCAQMD Rule 1113
<b>Mixed Specific Gravity</b>	1.08 (theoretical)
<b>Adhesion</b>	>350 PSI, Concrete failure hen applied over SS3700 & SS1202 (ASTM D4541)
<b>Gloss</b>	High Gloss, >80 Gloss Units at 60° (ASTM D523)
<b>Hardness</b>	4H (ASTM D3363)
<b>Abrasion Resistance</b>	48.0 mg loss, CS-17 wheel, 1000g, 1000 cycles (ASTM D4060)

**Application Characteristics**

<b>Mix Ratio By Volume</b>	1:1 (A:B) Approximate
<b>Pot Life</b>	25 minutes (2.0 gallon kit)
<b>Film Thickness</b>	6-10 mils (0.15-0.25mm) Wet film thickness (WFT)
<b>Coverage Per Kit</b>	2.0 Gal: 325ft <sup>2</sup> -525ft <sup>2</sup> (30.2m <sup>2</sup> -48.8m <sup>2</sup> ) @ 6-10 mils (0.15-0.25mm) WFT Note: Coverage rates will vary depending on surface texture and porosity
<b>Dry/Recoat Time</b>	Dry to Touch: 2-3 hours Light Foot Traffic: 6-8 hours Heavy Traffic: 36-48 hours Full Chemical & Physical Resistance Cure: 5-7 days Recoat Window: Within 24 hours after product reaches Dry to Touch Time
<b>Primers</b>	Kemiko® SS1600, SS3400, SS3700, and Quick Grip 1K Primer
<b>Intermediate Coats</b>	Kemiko® SS1202, SS1500, and SS3500,
<b>Thinning</b>	Do not thin product
<b>Clean Up</b>	Clean tools with Acetone, Denatured Alcohol, or MEK
<b>Shelf Life</b>	12 Months from manufacturing date

**Note:** Testing was performed at 77°F (25°C) and 50% RH. Product characteristics will vary depending on temperature, humidity and other conditions relative to the environment.



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### Packaging Description

#### Weight per Kit:

18.14 lbs (8.23 kg)

#### Kemiko® SS3900 Part A Hardener SA3900 contains:

9.47 lbs (4.30 kg) / 1.0Gal (3.79 L) of product in a 1 Gallon (3.79L) container

#### Kemiko® SS3900 Part B Resin SB3900 contains:

8.66 lbs (3.93 kg) / 1.0Gal (3.79 L) of product in a 1 Gallon (3.79 L) container

### 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 technical 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.



EPMAR Corporation - A Quaker Houghton Company

9930 Painter Ave, Whittier, CA 90605-3254

P: 562.946.8781 F: 562.944.9958

epmar.com | kemiko.com

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