



# TECHNICAL BULLETIN

## KEMIKO SS3200NS Sapphire Glow Ultra High Solids Polyaspartic

### Description

KEMIKO® SS3200NS Sapphire Glow is a ultra high solids, two component polyaspartic that exhibits excellent adhesion, UV resistance, abrasion resistance, chemical resistance, hot tire resistant, is <15g/L-VOC and has rapid setting properties. SS3200NS Sapphire Glow may be used as a decorative or industrial environment topcoat for exterior concrete and carbon steel substrates. KEMIKO® SS3200NS Sapphire Glow is low odor and utilizes the best available ultra high solids polyaspartic technology for atmospheric and chemical exposure.

### Applications

KEMIKO® SS3200NS Sapphire Glow is applied to properly prepared and prime coated concrete and steel for use in food processing plants, water treatment facilities, warehouse and showroom floors, airport maintenance facilities, parking deck garages, garage floors, chemical containment, exterior concrete and steel tanks, pipelines and many other service areas which require a resilient, chemical resistant, quick curing protective coating. SS3200NS Sapphire Glow is applied by brush or roll (1/4" nap).

### Performance

<b>VOC</b>	Ultra-Low VOC content, <15 g/L
<b>Hardness (ASTM D2240)</b>	Shore hardness D 75 (fully cured)
<b>Volume Solids</b>	97.81%
<b>Packaging</b>	0.8 gal kit
<b>Flash Point</b>	130°F
<b>Gloss</b>	High Gloss (>90)
<b>Mix Ratio</b>	38:62 (A:B) by weight 3:5 (A:B) by volume
<b>Pot Life (0.8 gal mass)</b>	*10-12 minutes at 70°F @ 50 RH
<b>Dry Time</b>	@ 70°F, 50% RH 1-2 Hours to touch, recoat within 3-24 hours 3-4 Hours for foot traffic 5-7 Hours for vehicular and forklift traffic, depending on substrate temperature and humidity 7-14 Days for full chemical and physical properties, depending on substrate temperature and humidity.
<b>Film Thickness</b>	**5-15 mils on horizontal substrates
<b>Coverage</b>	100-300 ft <sup>2</sup> per gallon depending on film thickness
<b>Thinning</b>	Not recommended
<b>Primers – Concrete</b>	KEMIKO® SS1600, KEMIKO® SS3700, KEMIKO® SS3800
<b>Colors</b>	Sapphire Glow
<b>Topcoats</b>	None required
<b>Shelf Life</b>	1 yr, in original, unopened factory containers, under normal storage conditions of 55°F to 95°F

\*Application (pot life) will vary based on the amount of material, agitation, application temperature, moisture and other variables that are beyond the manufacturer's control.

\*\*The thicker the film, the longer it will take to cure. Do not exceed the recommended film thickness.

### EPMAR Corporation

13210 Barton Circle • Santa Fe Springs, CA 90605-3254 • 562.946.8781 / Fax: 562.944.9958  
info@epmarcorp.com • www.epmar.com

**Service is part of our formula**



# TECHNICAL BULLETIN

## KEMIKO SS3200NS Sapphire Glow Ultra High Solids Polyaspartic

### Surface Preparation

**Concrete** – All visible oil, grease, sludge, and any other contaminants shall be removed prior to any abrasive surface preparation, acid etching and water washing. Surface shall be cured, dry and free from alkali stain and laitance. Prepare surfaces in accordance with SSPC-SP7 Brush-Off Blast Cleaning or use Blas-Trac for long term adhesion and achieving a 60-80 grit surface profile.

**Metals** – All visible oil, grease, sludge and any other contaminants shall be removed prior to any abrasive surface preparation. Prepare carbon steel in accordance SSPC-SP6 and achieve 1-2 mil surface profile. Small surfaces may be prepared in accordance with SSPC-SP2 and SSPC-SP3 followed by SSPC-SP1.

### Application Methods

**Hand Mixing** – KEMIKO®SS3200NS could be hand mixed and poured as long as the product temperature is at least 60°F. Complete mixing is achieved within 2 minutes and immediately poured onto prepared surface. Stir gently, avoid over mixing or creating a vortex, with mechanical jiffy mixers at slowest speed possible. Use ¼" nap quality roller covers and nylon bristle brushes.

**Environment** – KEMIKO®SS3200NS can be applied at substrate and environmental temperatures as low as 55°F and as high as 90°F and 5°F above dew point.

**Cleanup** – Use Xylene or MEK. Do not use alcohols.

**SAFETY – CONTAINS POLYUREA/POLYURETHANE AND ISOCYANATE RESINS! DO NOT USE IF YOU HAVE AN ADVERSE REACTION TO THESE CHEMICALS! PROPER VENTILATION EQUIPMENT SHOULD BE USED AT ALL TIMES WITH SS3200NS SAPPHIRE GLOW. VAPORS CAN BE DANGEROUS. DO NOT USE IN ENCLOSED AREAS WITH NO WINDOWS/DOORS TO ALLOW VAPORS TO ESCAPE. USE OF PROPER RESPIRATOR IS HIGHLY RECOMMENDED. TURN OFF ANY PILOT LIGHTS, WATER HEATERS, AND ANY SOURCE OF AUTO-IGNITION SOURCES. DO NOT SMOKE AROUND THE COATING WHILE IT IS DRYING AND WHILE APPLYING.**

**Disclaimer** – Information provided in this technical bulletin is a guideline only based on laboratory testing. Customer needs to test the material for their application under their application conditions before using the product.

**Contact EPMAR for any additional application information.**

**Warranty:** The following warranty is made in lieu of all other warranties, either expressed or implied. This product is manufactured 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, which 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.

### EPMAR Corporation

13210 Barton Circle • Santa Fe Springs, CA 90605-3254 • 562.946.8781 / Fax: 562.944.9958  
info@epmarcorp.com • www.epmar.com

**Service is part of our formula**