



Concrete Coatings & Floor systems

TECHNICAL BULLETIN Kemiko® Water Base Polyurethane Topcoat Flat Clear (SS2400F)

Description

Kemiko® Water Base Polyurethane Topcoat Flat Clear (Kemiko® SS2400F) is a two component, water base polyurethane coating that exhibits excellent adhesion, UV resistance, abrasion resistance, chemical resistance and hot tire resistance. Along with the inherent UV resistance of a water base urethane, our Kemiko® SS2400F also has a UV package that extends the life of the epoxy coatings underneath. It is a fast-curing, low odor and low VOC polyurethane which is intended for use as a decorative or industrial topcoat in both interior and exterior applications.

Applications

Kemiko® SS2400F can be applied to properly prepared and prime-coated concrete for use on warehouse and showroom floors, airport maintenance facilities, parking decks, garage floors, exterior concrete, and many other concrete floors which require a resilient, chemical resistant protective coating. This product may be applied by brush or roller.

Physical Characteristics

Kit Size	1.5Gal kits available
Colors Available	Clear
Volume Solids	58.2% (theoretical)
VOC Contents	<50 g/L (theoretical) Compliant to SCAQMD Rule 1113
Mixed Specific Gravity	1.10 (theoretical)
Adhesion	>350 PSI, Concrete failure when applied over SS3700 & SS1202 (ASTM D4541)
Gloss	Flat, <15 Gloss Units at 60° (ASTM D523)
Hardness	3H (ASTM D3363)
Abrasion Resistance	24.1 mg loss, CS-17 wheel, 1000g, 1000 cycles (ASTM D4060)

Application Characteristics

Mix Ratio By Volume	1:2 (A:B) Approximate
Pot Life	60 minutes (1.5 gallon kit)
Film Thickness	4.5-7 mils (0.11-0.18mm) wet film thickness (WFT)
Coverage Per Kit	1.5Gal: 350ft ² -475ft ² (32.52m ² -44.13m ²) @ 4.5-7 mils (0.11-0.18mm) WFT Note: Coverage rates will vary depending on surface texture and porosity
Dry/Recoat Time	Dry to Touch: 6-8 hours Light Foot Traffic: 20-24 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
Primers	Kemiko® S1600, SS3400, SS3700, and Quick Grip Primer
Intermediate Coats	Kemiko® SS1202, SS1500 and SS3500
Thinning	Do not thin product
Clean Up	Clean tools with warm water and mild soap
Shelf Life	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:

13.80 lbs (6.16 kg)

Kemiko® SS2400F Part A Hardener SA2400F contains:

4.8 lbs (2.18 kg) / 0.50Gal (1.9 L) of product in a 1/2 Gallon (1.9L) container

Kemiko® SS2400F Part B Resin SB2400F contains:

8.98 lbs (4.08 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 warm water and mild soap 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. 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.

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