

Technical Data Sheet: Ref: TDS-HPC-0001-V02

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Date of issue: June 2017

## A570-4004

### POLYAMIDE CURED EPOXY SEALER

#### GENERIC TYPE

Epoxy

#### DESCRIPTION

A570-4004 is a two component polyamide cured epoxy coating. It is transparent. It exhibits excellent penetration properties to ensure good adhesion on most concrete floors in atmospheric environments only. Specially suited for properly prepared concrete substrates.  
 - Penetrating Concrete Sealer provides excellent protection from the damaging effects of water, oil, chemicals, and stains to help extend the life of concrete

#### RECOMMENDED USE

Epoxy sealer as primer/sealer for floor surfaces in recommended for heavy duty parking areas, ramps, loading bays garages, chemical manufacturing plants, Warehouses.

#### FEATURES

- Excellent water resistance
- High Oil resistance
- High chemical resistance against weak acids & alkalis
- Peeling ,blistering & hot tire pick up resistance

#### PHESICAL PROPERTIES

Finish	Gloss
Color	Transparent
Solid by volume	35±5%
Specific Gravity	0.95±0.05 gr/cm3
Flash point	30 °c
Recommended D.F.T.	20-40 microns
Theoretical coverage	20-7.5 m <sup>2</sup> / Lit
	Practical coverage depends on loss factor
Touch dry (man traffic)	5 hrs. at 20°c
Hard dry (vehicle traffic)	72 hrs. at 20°c
Full Cured	7 days. at 20°c
To Recoat	Min 6 hrs. at 20°c , Max 96 hrs. at 20°c

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## APPLICATION

Application method	Putty knife, trowel, Roller Air/Airless spray
Surface temperature	3 °C min. above dew point
Mixing ratio(by weight)	2.3 : 1
Packaging(A+B)	14KG+6KG
Hardener(B)	A275-2008-50
Washing Thinner	A840-0570
Pot Life	(8 hrs. at 25 °c)
Application condition	Environment Temperature should be 10 °C min and 40 °C max The relative humidity should not be greater than 85%.

## SURFACE PREPARATION

### A. NEW WORK:

#### 1. Concrete Floors:

1.1. The concrete should have been cured for at least 28 days and have moisture content of less than 4%.

1.2. Floors should be sound and free from loose materials and any contamination such as oil and grease that would prevent coating adhesion.

1.3. Excess laitance deposits should be removed by light mechanical scrubbing, grinding or grit/captive blasting followed by vacuum cleaning to remove dust debris.

### B. OLD CONCRETE FLOORS:

1.1. A sound, clean substrate is essential to achieve maximum adhesion.

1.2. Excess laitance deposits should be removed by light mechanical scrubbing, grinding or grit/captive blasting followed by vacuum cleaning to remove dust debris.

### C. Filling:

1. Fill the dents and cracks in the surface with mixture of 1 Part of Kansai Epoxy SF Floor Primer and 2 parts of Kansai Fine Aggregate or with Kansai Epoxy filler.

## APPLICATION PROCEDURE

1.1. Mix the base and hardener of Kansai epoxy sealer in the given proportion.

1.2. Stir using slow speed drill and paddle.

1.3. Pour the mixture on the floor and spread using medium pile hair roller or rubber spreader.

1.4. Ensure any loose hair is removed from the roller.

1.5. Apply a very thin coat with a roller or nylon-polyester brush. Wait 4–6 hours then Apply second coat in a direction perpendicular to the first.

Use 1/4" nap for smooth-troweled surface, 3/8" nap for broom-finished surface, 1/2" nap for rough or textured surface.

### -Airless spray:

Nozzle orifice 0.017"-0.021"

Nozzle pressure 150 bar/2175 psi

Airless spray is indicative and subject to adjustment

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## CAUTIONS

- Friable and powdery surfaces require special care before painting; if in doubt, contact manufacturer.
  - For health reasons avoid dusting when preparing fiber cement surfaces. Keep surfaces wet and wash off residues with water.
  - Do not paint under conditions of frost, dew, rain or fog or inclement weather.
- Note:** Painting under the above conditions may affect the performance of the paint film.
- Avoid painting during inclement weather or if temperature is below 10 °C.
  - To ensure colors on a project are consistent check if the batch numbers and/or colors supplied are the same.

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## STORAGE

Store in dry, cool condition and away from sources of heat and ignition. Containers must be kept tightly closed. Store conditions shall be in accordance with national regulations.

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## SHELF LIFE

12 months from date of production.

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## SAFETY PRECAUTIONS

- Keep out of reach of children.
- Ensure good ventilation during application and drying.
- In case of skin contact, wash with soap and water or a recognized skin cleaner.
- Avoid contact with eyes – In case of contact, rinse eyes immediately with plenty of water and seek medical advice if symptoms persist.
- Harmful if swallowed. Do not induce vomiting. Seek medical attention.
- Do not smoke while painting.
- Flammable. Store in a cool dry place away from heat and sparks.
- Refer to Material Safety Data Sheet for complete information.

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**DISCLAIMER:** The information given on this sheet is to the best of our knowledge and accurate at the time of issuing. Since conditions of use are beyond the manufacturer's control information contained herein is without warranty implied or otherwise and the suitability of the material for the use contemplated is the sole responsibility of the buyer. The information contained on this data sheet is subject to modification at any time due to our policy of modification and product development.