

# SK ARKIPRIMER

Two-component, solvent-free, low viscosity, epoxy based primer



## PRODUCT DESCRIPTION

**SK Arkiprimer** is a two-packed, solvent-free, low viscosity epoxy-based primer used as substrate primer for most **SKK Arkifloor** series floor system. It is applicable as a bonding agent for most metallic and non-metallic surfaces where a high bond strength is required. **SK Arkiprimer** is used to facilitate the subsequent application of epoxy mortar. It can also act as sealing agent for asbestos sheets, as well as sealer onto concrete floor prior to the application of epoxy coating.

## FEATURES

- Applicable to many surface types such as asbestos sheets, concrete, mortar, metallic and non-metallic surfaces
- Easy application
- Acts as a primer as well as a sealer
- Strong bonding agent
- Low viscosity

## PHYSICAL PROPERTIES

<b>Color</b>	Clear
<b>Loading Capacity (30°C)</b>	Tack Free : 3 hours Surface Dry : 16 hours
<b>Pot Life (30°C)</b>	Approx. 90 mins
<b>Shear Strength</b>	28 N/mm <sup>2</sup>
<b>Shelf Life (In sealed container)</b>	Up to 12 months if stored in tightly sealed containers. Keep under roof and in cool place.
<b>Specific Gravity</b>	1.06
<b>Film Thickness</b>	100-300 microns

## SURFACE PREPARATION

### Concrete Substrate

Concrete surfaces should be well cured and free from dirt, dust, oil, grease and foreign matters. Any unsound substrates, cracks, and pot-holes should be made good with the appropriate SKK filler product.

Concrete is highly susceptible to uprising moisture, which can decrease the effectiveness of any coating system. Installation of a water-proofing membranes mandatory to prevent glitches in the dynamics of any coating system. Smooth concrete surfaces may have to be chemically cleaned or mechanically scarified to provide bonding keys before the coating can be laid. Etching neutralizes the alkaline surface and provides a better bond. It also helps remove salt deposits or laitance that can occur on concrete surfaces.

## Masonry and Mortar Substrate

Masonry surfaces may peel due to efflorescence, where soluble salts are present. It is therefore essential to treat the surfaces free from dirt, dust, oil, grease and foreign matters. Environmental determinants like humidity can also cause structural or superficial cracks with mortar.

Restoration work should be carried out to amend these problems prior to the application of paint. If efflorescence is also evident, it must be removed before repainting. Remove all flaking or chalking paint from the damaged area by wire brushing or sandblasting. If surface is very porous, apply SK Floor Filler, an epoxy resin-based cementitious conditioner to mend the surface.

## APPLICATION PROCEDURES

### MIXING

Mixing Ratio (by weight ratio)	
Base	Hardener
100	50

Base and Hardener should be individually mix using a heavy duty, slow speed drill with proprietary mixing paddle attachment to disperse any settlement which may occur during transportation or storage. Then the two should be mixed thoroughly to a homogenous mix and follow by application of either roller or airless spray. Do not allow material bonding.

The hardener will vary in colour between clear to deep amber tone. This colour parameter will not impact the cured performance of this product.

## APPLICATION

Ensure that substrate surface is cleaned prior to priming. Use a broad brush or wool roller and apply

- (i) a *thick* layer of **SK Arkiprimer** prior to application of epoxy mortar,
- (ii) a *thin* layer of **SK Arkiprimer** prior to application of epoxy coating. The area should be primed with an even coat.

Coverage	
<b>Primer for Epoxy Mortar</b>	0.5kg/m <sup>2</sup> 2.2m <sup>2</sup> /kg
<b>Primer for Epoxy Coating</b>	0.1 – 0.15kg/m <sup>2</sup> 7 - 9m <sup>2</sup> /kg

PS11/1907/15/06 — 04 July 2019

## **PACKING STYLE**

<b>Arkiprimer (5.1 kg/set)</b>	
Arkiprimer Base	3.4 kg/can
Arkiprimer Hardener	1.7 kg/can

## **MATERIAL HANDLING**

Always wear the appropriate safety goggles, breathing protection, clothing and gloves during the handling of epoxy resins and hardeners. Work with adequate ventilation during application. Any sources of ignition should be eliminated and only use equipment incorporated with explosion protection. Do not smoke. Store all materials in a cool, well-ventilated and dry place, away from direct sunlight. Properly dispose all used containers and excess materials in accordance to the local governing safety rules and regulations.

Store material away from excessive heat and high humidity.

## **CLEANING**

Tools must be cleaned immediately after use with SKK Thinner.

## **SAFETY PRECAUTIONS**

Avoid contact with skin or eye. Any skin or eye contamination should be washed immediately with plenty of water and seek medical treatment. If swallowed, do not induce vomiting. Contact a physician immediately.

The technical information given herein is of a general nature and correct to the best of our knowledge based on laboratory tests and professional experiences. It shall not be construed as implying any guarantee of performance. Due to unforeseeable conditions and constraints, we will not assume liability for the unsuccessful use of this product. We reserve the right to alter or modify any data given without prior notice. When in doubt, please consult our technical department for further information.