



## **AKFIX PRIMER S80 STANDARD EPOXY PRIMER**

### **1 – DESCRIPTION**

**Akfix Primer S80** is a two component, epoxy based, solvent free surface preparation primer which creates moisture barrier on damp surfaces and penetrates to the cracks in the concrete.

### **2 – PROPERTIES**

- Excellent adhesion to damp concrete surfaces.
- Easy application
- Perfect resistance to water, freeze, humidity and harsh weather conditions.
- Can be used indoor and outdoor applications.
- Economical

### **3 - APPLICATIONS**

- It can be used before polyurea, polyurethane and epoxy coating applications for humidity and water vapor prevention on damp concrete surfaces.
- To avoid osmosis bubbles that formed via the effect of the pressure from the negative side.

### **4 – INSTRUCTIONS**

- Surface must be dry, clean and free of all contamination such as dirt, oil, grease, and coatings etc. which hinder adhesion.
- Surface must be firm and have enough strength. If in doubt, apply a test area before beginning.
- Weak concrete must be removed and surface defects such as blowholes and voids must be fully exposed.
- All dust, loose and friable particles should be removed from the surface before application with brush and/or vacuum cleaner.
- A and B components should be thoroughly mixed for 3-4 minutes in order to achieve a homogenous mix using a low speed electric stirrer or other suitable equipment until a homogenous mixture has been achieved. After mixing, primer is ready for application.
- Spread the primer to the cleaned surface via a rickshaw, rub in to the surface via a liner brush with caution and press regularly and evenly with a short pile roller. Completely cover the wet primer with quartz sand (0,5–1,0 or 0,7–1,2 mm Ø). After the hardening, (before the application on the primer) sweep the non-sticked quartz sands carefully.

### **5- PACKAGING**

20kg set (A (resin):16 kg and B (hardener): 4 kg)

### **6- STORAGE AND SHELF LIFE**

12 months from date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5°C and +30°C.



# TECHNICAL DATA SHEET

# Akfix® coating

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## 7- SAFETY

For information and precautions on the safe handling, transportation storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

## 8- TECHNICAL PROPERTIES

<b>Basis</b>	<b>: Two Component Epoxy Resin</b>
Density (A+B)	: 1,323 gr/cm <sup>3</sup>
Appearance/Color	: Colorless, blurry
Open time	: 2 hours (23°C 50 % R.H.)
Light foot traffic	: 12-18 hours (23°C 50% R.H.)
Full cure time	: 7 days (23°C 50 % R.H.)
Min. cure temperature	: +8°C
Consumption	: 0,3-0,5 kg/m <sup>2</sup>
Shore A Hardness	: 98
Adhesion force (concrete)	: 2,5 N/mm <sup>2</sup>
Application temperature	: +8 °C and +35 °C

## 9- IMPORTANT

- Surfaces must have enough structural strength.
- Concrete should have minimum of 25 N/mm<sup>2</sup> compression resistance and minimum 1,5 N/mm<sup>2</sup> tensile strength.
- Applications below 10°C should be avoided.
- High temperatures lower the pot life of the product, while low temperatures extend cure time and consumption.
- Be careful about product mixing ratios.
- The surface should be protected from moisture and rain for 4-6 hours after application.
- All application tools and equipments should be cleaned with thinner immediately after the use. Cured material can only be removed mechanically.