Yeşilbayır Mah. Şimşir Sk. No: 22 Hadımköy - İstanbul/TÜRKİYE Tel: 0212 771 13 71 Fax: 0212 771 38 88 www.akfixcoating.com - info@akfixcoating.com

AKFIX PRIMER EP80

1 – PRODUCT DESCRIPTION

Akfix Primer EP80 is a solvent based, two component epoxy primer. Due to its low viscosity, it can penetrate deep into the substrate and fill the pores and capillaries.

2 – FEATURES & BENEFITS

- Low viscosity
- High penetration ability
- Ideal surface penetration before coating

3– APPLICATION AREAS

- Impregnation primer that fill capillary pores on concrete surfaces
- Surface preparation primer for epoxy, polyurethane and polyurea floor coverings

4– SURFACE PREPARATION & APPLICATION PROCEDURE

Surface Preparation: All surfaces should be clean, dry and free from loose materials, contaminations or any previous coatings. New concrete must be firm, clean and free of any adverse moisture conditions. The surface must have an appropriate surface profile and be well cured (28 days at temperatures over 21°C). Weak concrete particles removed and surface defects such as holes, voids and cracks must be fully exposed. Exposed surface must be repaired and filled with one of appropriate filler products. The moisture content should be lower than 4%.

Mixing : Before mixing component A+B, mix component A thoroughly. Pour Component B into the Component A pail and mix using a low speed (300rpm) electric drill until mixture is completely homogenous. Pay particular attention to the wall lining and bottom of the pail. The mixture is allowed to stand for 5 minutes before application. Material should not be prepared more than the amount that can be applied during the pot life of the mixture

Application: After mixing, apply 1-2 layers with a roll, brush or spray according to the absorption capacity of the ground. The second layer should be made within 15 minutes of the first application. The amount of consumption can vary according to the absorption capacity of the surface.

Important: Application on wet and frozen surfaces should not be done. Precautions should be taken in areas exposed to water from the negative side or water vapor. Substrate moisture content and also adherence should be checked before application. Epoxy based products have limited working time. Pot life and curing time will be shorter at high temperatures and also will be longer at low temperatures. Especially in hot environments, mixture should be applied immediately and should not be left in the mixture box. The mixture that started to gel should not be applied to the surface. Mixture other than the specified mixture ratio should not be done. Since the product contains solvents, precautions should be taken for good ventilation in closed rooms.

5- PACKAGING

A Component : 20 Kg (Epoxy resin)
B Component: 4 Kg (Hardener)

6- SHELF LIFE & STORAGE CONDITIONS

Akfix Primer EP80 can be kept for minimum 12 months in the original unopened pails at a temperature of 5 ^{o}C - 25 ^{o}C in dry places**.**

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 FEATURES

	METHOD	DATAS
Mix ratio	-	5:1
Color		Colorless
Viscosity (mixture)		1200-1300 cps
Density (mixture)	EN ISO 2811-1	1,33 gr/cm^3
Pot Life	-	2-3 hr. (23 °C 50% R.H.)
Tack Free Time	-	6-7 hr (23 °C 50% R.H.)
Full Cure Time	-	7 days (23 °C 50% R.H.)
Recoat Time:	-	12 hr (25 °C)
Adhesion Strength	ASTM D4541	>3N/mm^2 (concrete)
Application Temperature	-	10 °C- 35 °C