

PRIMER 95

1-Description

Akfix PRIMER 95 is a two component, solvent free polyurethane primer that has been specifically designed to increase bonding and improve the surface leveling prior to waterproofing membranes. It penetrates and anchors into the pores of the substrate while acting as a bonding layer with membranes.

2-Properties & Features

- 100% solids
- Low viscosity
- Odorless
- Pinhole and bubble free surface
- Moisture tolerant
- Excellent adhesion to concrete, metal and wood
- Easy to apply (brush, roller or airless spray)

3-Fields of Application

It is specially designed to increase adherence and improve the surface property of the surfaces before coating applications.

4-Product Information

Packacking	16 kg set (12 kg A Component) + (4 kg B Component)
Shelf Life	12 months
Storage Conditions	Store in cool and dry conditions between +5°C and +30°C

5-Technical Data

Physical Properties	Method/Conditions	Data
Chemical structure		A: Polyurethane resin B: Polyurethane hardener
Mix ratio		3:1 (A:B by weight)
VOC content (%)	ASTM D1259	0
Solid content (%)	ASTM D2697	100
Density (gr/cm³)	ASTM D792	A: 1,2 B: 1,25 (23°C)
Viscosity (mix) (cps)		2250-3500
Pot life (min)	--	50±10 (23 °C %50 R.H.)
Tack free time (hr)		2-2,5
Light traffic time (hr)	--	24
Full cure (day)	--	7
Pull off strength (N/mm²)	ASTM D 4541	Concrete: ≥2
Application temperature (°C)	--	10-35
Substrate temperature (°C)	--	10-35

6-Directions for Use

Surface Preparation: All substrates must be sound, dry, free of laitance and loose particles and clean of oil, grease, rubber skid marks, paint stains and other adhesion impairing contaminants. Substrate compressive strength should be at least 25MPa, cohesive bond strength at least 1.5MPa. New concrete structures need to dry for at least 28 days. The substrate's surface temperature should be at least +10°C and at least 3°C above the applicable dew point during product application.

Application: Primer 95 is a polyurethane primer made up of two pre-dosed components. To prepare the product, mix A (Resin) component for a few minutes and then pour component B into the container of component A. Mix the two components together with an electric mixer at low speed to thoroughly blend them together (at least 3-4 minutes). It is important to stir the mixture thoroughly near the sides and bottom of the container, to achieve a uniform dispersion of the hardener. It is recommended to let the mixture rest for a few minutes before the application, so that the entrapped air may escape. Apply an even coat of Primer 95 with a brush roller, airless spray in one layer. Apply two or more coats until the desired thickness is obtained. Allow Primer 95 to become tack free before applying the desired waterproofing or concrete protection system.

7-Remarks & Restrictions

- Do not apply on surfaces that are damp, wet or covered with frost.
- Primer 95 is very sensitive to heat and moisture. Higher temperatures and/or high humidity will significantly accelerate the cure time and pot life. Low temperature and/or low humidity extend the cure time.
- Do not dilute with water, solvent etc.

8-Consumption

200-400 gr/m²

Factors like surface roughness and porosity, application method can alter consumption.

9-Cleaning

Tools can be cleaned with solvent while still wet. Once cured, the material can only be removed mechanically.

10-Safety

Harmful by inhalation. Irritating to eyes, respiratory system and skin. Do not breathe spray/vapor. Wear suitable protective clothing and gloves. Use only in well-ventilated areas. Pressurized container. Keep away from direct sunlight and do not expose temperatures over 50°C. Do not pierce or burn, even after use. Keep away from sources of ignition, no smoking. Keep out of the reach of children.

11-Disclaimer

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product. Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions. The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.