

WHITECHEM PRIMER 95

1 – PRODUCT DESCRIPTION

WHITECHEM 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– FEATURES

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

3– APPLICATION AREAS

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

4 – SURFACE PREPARATION & APPLICATION PROCEDURE

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.

5– RECOMMENDATION AND LIMITATIONS

- 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.

6- CONSUMPTION

150-300 gr /m²

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

7- CLEANING

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

8- PACKAGING

16 kg packs ; Component A: 12 kg and Component B: 4 kg

4 kg packs; Component A: 3 kg and Component B: 1 kg

9- SHELF LIFE & STORAGE CONDITIONS

12 months at temperatures between 5°C and 30°C. Once the tin has been opened, the product must be used immediately. Do not expose to direct sunlight. When not in use, the packages should be tightly closed. Packages must be protected from freezing.

10- SAFETY

Refer to SDS sheet prior to use

11- TECHNICAL FEATURES

	METHOD	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 B: 1,25 (23°C)
Pot life (min)	--	20-30 (23 °C %50 R.H.)
Tack free time (hr)		3-3,5
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