

WHITECHEM PRIMER 90



1- PRODUCT DESCRIPTION

WHITECHEM PRIMER 90 is a transparent, half-elastic, a component polyurethane primer that penetrates to deep. It is a solvent-based product, waterproofing applications and cures with the moisture of the surface and the air.

2- PRODUCT FEATURES

- Low viscosity
- Applicable in indoor and outdoor areas
- Easy to apply (brush, roller, airless gun)
- Deep penetration
- Porous - excellent adhesion to non-porous surfaces
- Preventing swelling and pilling
- Preventing dust surfaces

3- APPLICATION AREAS

- It can be used as a primer especially for concrete, wood and cement surfaces before application of polyurethane based waterproofing membranes and sealants. Also, polyurethane sealant applications can be used before dilatation and joint insulation.

4- APPLICATION CONDITIONS

- The surface must be strong and with sufficient strength. An application should not be made on low screed concrete. The lowest compressive strength should be 25 MPa for the surface and the lowest bond strength should be 1,5 MPa.
- The concrete should be allowed to dry for at least 28 days before application on fresh concrete.
- The surface and ambient temperature should be at least 5 ° C and a maximum of 35 ° C.
- The maximum amount of surface moisture should be about 4%
- The maximum amount of moisture in the air should be 80%.

- Attention should be paid to condensation on the surface. The application should not be made early in the morning. The surface temperature should be at least 3 ° C higher than the dew point.
- Do not apply on frozen, melting surfaces or on surfaces where rain is expected within 6-8 hours.

5- SURFACE PREPARATION

- The application surface should be clean and dry, the anti-sticking elements should be cleaned from the surface. Do not wash to clean the surface.
- If necessary, the surface should be wiped off with suitable wiping machines in order to remove the weak concrete on the surface and open the eyelets and openings. The glazed top layer of ceramic surfaces should be roughened. Dust, brush or vacuum cleaners should be removed from the surface....
- Dilatations on the surface should be insulated with the appropriate polyurethane based filler material (**WHITECHEM PU DF 25**) and dilatation tape.
- Corner should be supported by appropriate bevels or chamfers tape repair mortar.
- The application surface should be cut on the screed concrete in large places. Filled joints must be filled with polyurethane based sealant (**WHITECHEM WP 35**).
- These processes result surface dust generated and the residue must be removed for the last time on the surface.

6- PRIMER APPLICATION

- To obtain a homogeneous **WHITECHEM PRIMER 90** mixture, the primer should be mixed with an electric stirrer for 3-4 minutes, low speed (~ 300 - 400 rpm) or with suitable equipment. Do not mix at high speed for a long time to prevent air bubbles.

- The prepared primer mixture is applied to the surface by brush, roller or airless spraying machines.,
- Waterproofing membrane or sealant can be applied 2-3 hours after the primer application (23 ° C, 50% humidity).

7- CONSUMPTION

- Consumption in a single coat is 200-250 g / m². Consumption may vary according to surface permeability, weather conditions, and the technique of application.
- Second coat application can be made if necessary.

8- TECHNICAL FEATURES

Test Name	Result	Test Method
Chemical structure	Solvent Polyurethane	
Density	1,00 ± 0,03 gr/ml	(ASTM D1875)
Appearance / Color	Liquid, Transparent	
Solid Content	% 55-60	
Drying Time	~ 2-3 hours (23 °C and % 50 R.H.)	
Adhesion Strength (concrete)	2,0 ± 0,3 N/mm ²	
Service Temperature	Between -20 °C and +80 °C	

9- PACKAGING

- 15 kg metal bucket

10- SHELF LIFE AND STORAGE CONDITIONS

- It is suitable for 9 months starting from the production date when stored correctly between +5 ° C and +30 ° C in original, unopened and undamaged packages.
- Products should be stored in dry and places where not having direct sunlight.

11- WARNING AND RECOMMENDATIONS

- Personal protective equipment must be used during application. In case of contact with skin, wash with plenty of water. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Keep products away from sources of ignition. Do not heat the products by sun or other means. Do not smoke at the time of application.
- There should be sufficient air circulation in the application area.
- Opened buckets should be consumed in a short
- The finished product should be protected against rain and mechanical stress until it is dry.
- Clean all tools and application equipment with thinner immediately after use. Hardened / cured material can only be cleaned by mechanical methods.

LEGAL NOTICE

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