

Sealer E45

Medium Viscosity, Solvent Free, Epoxy Surface Primer and Bonding layer

Description	Sealer E45 is a two-components medium viscosity surface primer and bonding layer, based on solvent free epoxy resin.
Where to use	Sealer E45 can be used as a surface primer for the following surfaces: • Concrete, natural stone. • Cementitious renderings, mortar and asbestos cement. • Epoxy mortar. • Also it can be used as a bonding agent for the following overlays: • Epoxy mortar screeds. • Epoxy self-leveling floor toppings.
Advantages	• Good penetration. • Can also be used at low temperatures up to 10 °C • Excellent adhesive strength. • Easy to apply.
Properties	
Color	Transparent
Solids by Volume	100 % (by volume)
Specific Gravity	1.06 ±0.04
Flash Point	140 °C
Adhesion to Concrete	3 N/mm ²
Tensile Strength	40 N/mm ²
Compressive Strength	70sN/mm ²
Flexural Strength	50 N/mm ²
Pot life @ 23 °C	40 minutes
Recoating Time @ 23 °C	10 hours
Initial Hardening @ 23 °C	24 hours
Final Hardening @ 23 °C	7 days
Surface preparation	The surface must be dry, clean, free of oil, grease, laitance or any loose particles. All laitance and structurally unsound layers must be removed mechanically like sand blasting and cutting. Vacuum cleaning is necessary. compressive strength should not be less than 25 N/mm ²
Mixing	Pre-dose component A into clean vessel. Add Component B in correct proportion and mix mechanically for 2-3 Min. After mixing, allow material to settle for 2 Min to allow entrained air to escape. Mix only as much material as can be used within pot life.
Application	Pour properly prepared material on the substrate and evenly distribute using roller or brush.
Cleaning	Clean all tools and equipment immediately after use with Prosolve EP . Once hardened material can only be removed mechanically. Wash soiled hands and skin thoroughly with soap and water.
Theoretical Coverage	Approximately 0.15 – 0.25 Kg/m ² per layer depending on substrate conditions
Precautions	Minimum age of concrete: 3 – 6 weeks, depending on climate. Maximum ambient and substrate temperature during application: 30 °C. Minimum ambient and substrate temperature during application: 10 °C. Maximum relative humidity: 85% Moisture content of substrate: <4% (or use Wetseal).

Packaging	20 Kg pails, part (A+B) 5 Kg pails, part (A+B)
Shelf Life & Storage	Sealer E45 has a shelf life of 12 months if kept in their original and undamaged packages in suitable conditions.
Health and Safety	This product is of low toxicity but normal precautions should be observed. Wear gloves, and if working overhead or spraying, wear goggles. Wash off any skin splashes with soap and water. Irrigating the eye with an eye bathing solution should treat eye contamination. Ensure adequate ventilation in confined spaces and use breathing aids. If ingested, drink milk or water and seek medical attention.
Additional Information	PROKEM provides the construction industry with a comprehensive range of construction chemicals and specialty products answering the queries of modern engineers for trouble free durable structure. PROKEM designs tailor made products should there be critical application that requires specific properties rather than our main range. For our customer's satisfaction. PROKEM reserves the right to change the properties of its products. All orders are accepted subject to our current term of sale & delivery. Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request. PROKEM extends technical services to include after sales support to assist users in a proper handling of our product.