

Sealer EP/F

Three Component, SF – Epoxy Sealer and Patch Mortar

Description	Sealer EP/F is three-components solvent free, low viscous epoxy sealer and primer. It can be used as a patch mortar if silica sand is added.
Where to use	• Sealer EP/F can be used as a sealer or primer for the following surfaces: • Concrete, natural stone. • Cementitious renders, mortar and asbestos cement. • Also it can be used after mixing with silica sand for the following: • Patch repairs. • Covings.
Advantages	• Solvent Free. • Low Viscosity. • Excellent adhesion. • Good penetration.
Properties	
Solids by Volume	100%
Specific Gravity	1.00 ± 0.1
Pot Life @ 23 °C	1.0 – 1.1 kg/L
Recoating Time @ 23 °C	10 hours
Initial Hardening @ 23 °C	24 hours
Final Hardening @ 23 °C	50 – 52 %
Adhesion to Concrete	2 – 3 N/mm ²
Tensile Strength	20 – 30 N/mm ²
Flexural Strength	40 – 50 N/mm ²
Compressive Strength	50 – 60 N/mm ²
Tests	It complies with ASTM C-580, C-307, D-4541 and BSEN 7976-part 2
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 or cutting. Vacuum cleaning is necessary. Adhesive tensile strength of the surface should be at least 1.5 N/mm.
Mixing	Pre-dose component A into clean vessel. Add Component B in correct proportion and mix mechanically for 2–3 minutes. After mixing, allow material to settle for 2 minutes to allow entrained air to escape. Mix only as much material as can be used within the pot life. It can be mixed with silica sand (component C) at the ratio of (1:1) by weight for repair purposes.
Application	Pour properly prepared material onto substrate and evenly distribute using roller or brush. For repair patches and covings apply it using a trowel wet on wet Sealer.
Cleaning	Clean all tools and equipment immediately with special solvent Prosolve EP Once hardened material can only be removed mechanically. Wash soiled hands and skin thoroughly with soap water.
Theoretical Coverage	Approximately 0.2 – 0.4 Kg/m ² depending on surface porosity.

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	10 Kg Pails, Sacks (A+B+C) 40 Kg Pails, Sacks (A+B+C)
Shelf Life & Storage	Sealer EP/F has a shelf life of 1 year if kept in their original packs unopened in a dry condition.
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.