

Kemprimer EP

Medium Viscosity, Solvent Free, Epoxy Primer

Description	Kemprimer EP is two-components medium viscosity primer, based on solvent-free epoxy resin
Where to use	Kemprimer EP can be used as a 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 various floor toppings
Advantages	• Good penetration • Can also be used at low temperatures (+10°C) • Excellent adhesive strength • Easy to apply • Strong bonding properties
Properties	
Color	Transparent
Solids content by volume	100 %
Specific gravity	1.3 ±0.04
Flash point	140 °C
Adhesion to concrete	1.5 - 2 N/mm ² Failure to concrete
Tensile strength	55 - 60 N/mm ²
Shore D hardness - 23 °C	~75 @ 7 days
Compressive strength	65 - 70 N/mm ²
Flexural strength	25 N/mm ²
Pot life @ 23 °C	40 minutes
Recoating time @ 23 °C	10 hours
Initial hardening @ 23 °C	24 hours
Final hardening at 23°C	7 days
Surface Preparation	• The surface must be dry, clean, and free of oil, grease, laitance, or any loose particles • All laitance and structurally unsound layers must be removed mechanically e.g sandblasting, and cutting • Vacuum cleaning is necessary • Adhesive tensile strength of at least 1.5 N/mm²
Mixing	• Pre-dose Comp. A into a clean vessel • Add Comp. B in correct proportion and mix mechanically for 2 – 3 minutes • After mixing, allow the material to stand for 2 minutes to allow entrained air to escape • Mix only as much material as can be used within the pot life
Application	Pour properly prepared material onto the substrate and evenly distribute using a roller or brush
Cleaning	• Clean all tools and equipment immediately after use with a special solvent • Once hardened, the material can only be removed mechanically • Wash soiled hands and skin thoroughly with soap water
Theoretical coverage	Approximately 0.15 – 0.2 Kg/m ² depending on substrate conditions

Packaging	20 Kg pails, part (A+B) 5 Kg pails, part (A+B)
Shelf life & storage	Kemprimer EP has a shelf life of 12 months if kept in its original packs 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 structures PROKEM designs tailor made products should there be a 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 terms 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 the proper handling of our products