

Kemcoat E115

High Build Epoxy Coating

Description	Kemcoat E115 is a high build, solvent containing polyamide cured epoxy coating. The cured film has excellent adhesion to concrete and metallic substrates with an exceptional glossy appearance
Where to use	As a protective coating for steel structures, concrete and cement based surfaces where a durable gloss finish is required
Advantages	• Good chemical resistance, weather resistance & corrosion resistance. • Provides a glossy easy to clean surface for hygiene purpose. • Excellent adhesion to steel and concrete substrates. • Easy to use, pre-weighed packing to avoid mixing variations in site. • Produced in several Colors
Properties	
Specific gravity	1.4 ±0.04 (after mixing)
Solids content	78 ±2% (by volume)
Flash point	45 °C
Application method	Airless spraying, roller or stiffed brush
Pot life at 23 °C	8 hours
Dry to recoat	18 hour minimum 2 days maximum
Fully cured	7 Days
Abrasion resistance	Approx. 88 mg as per Taper Test
Chemical resistance	Please refer to PROKEM chemical resistance table
Surface Preparation	New poured concrete: • Allow to fully cure 28 days prior to application • Remove any curing membrane by sanding or etching with a strong detergent Old concrete: • Thoroughly clean the surface with a grease -cutting detergent to remove grease and oils, and remove any loose or unsound concrete by chipping, scarifying, shot blasting, sanding or grinding. Proceed as for newly poured concrete Previously coated concrete: • Remove any peeling or degraded paint by sanding or using a paint stripper • For intact paint, thoroughly clean the surface with a strong detergent, then lightly sand to remove any gloss • Treat any areas worn down to the original concrete as bare concrete • All damaged areas, cracks and surface irregularities must be repaired and smoothed first by using Kemrepair EP and bonding layer using Kembond EP steel surface: • The steel surface should be blasted to SA 2 ½ surface quality to remove rust and mill scale or any other efficient method (St 2) and ensure that all traces of rust are removed • Steel should then be primed by Kemprim M • Please refer to PROKEM technical office for further details on surface preparation and application procedure
Expansion joint	• Shall be installed in accordance with local building codes • Never bridge an expansion, contraction or construction joint
Mixing	• Stir the contents of the resin pack A and hardener pack B thoroughly to disperse any settlement and mix thoroughly until a uniform consistency is obtained. • Mechanical mixing for at least 3 Min. using a slow speed (300 – 500 rpm) electric stirrer is preferred

Application	• Concrete surfaces can be primed with Sealer E115 or Sealer E43 – Wetseal for green concrete and leave to dry overnight • Metal surfaces can be primed with Kemprim M or Kemprim ZP • Apply the first coat of Kemcoat E115 with a brush or roller to achieve an even, continuous and uniform thickness • Apply the second coat within the recoating interval to achieve the maximum adhesion between the two coats • Thinner up to 10 % can be used
Precautions	Ambient and substrate temperature: • Minimum +10 °C • Maximum +30 °C
Cleaning	Tools and equipment should be cleaned with special solvent immediately after use.
Theoretical coverage	0.18 Kg/m ² at 100 microns D.F.T A minimum of 2 coats are required
Packaging	Two pack (A+B) 5 & 20 Kg Pails
Shelf life & Storage	Kemcoat E115 has a shelf life of 12 months if kept in their original packaging in a dry condition
Health and Safety	• Use gloves to avoid contact with skin • If skin comes in contact, wash immediately with soap and water • Do not use solvents • Eye contamination must be immediately washed with water, then seek medical treatment. • Working areas should be well ventilated
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 products