

Kemfloor E115

Solvent Based High-Build Epoxy Floor Coating

Description	Kemfloor E115 is a two-component, solvent containing high-build epoxy resin, chemical, and abrasion resistant coating.
Where to use	<ul style="list-style-type: none"> • Protection of concrete where a floor topping of mild resistance to chemicals is required. • Protective against fumes and spillage of mild acid, alkalis, salts, and solvents. • Suitable for use in production assembly areas, soft drinks, and bottling plants. • Protection of masonry and plaster as a part of a complete epoxy based system.
Advantages	<ul style="list-style-type: none"> • Low maintenance costs. • Available in a range of colors. • Excellent with a wide range of industrial chemicals. • Provide easily cleaned surface. • Good abrasion resistance • Excellent adhesion even on smooth surfaces. • Low viscosity.
Properties	
Specific gravity	1.28 ±0.04
Solids content by volume	64 ±2 %
Flash point	45 °C
Pot life @ 23 °C	8 hrs.
Dry to recoat 23 °C	12 hrs. (min.) 3 Days (max)
Final drying 20 °C	7 Days
Abrasion resistance	Please refer to PROKEM resistance table
Chemical resistance	Please refer to PROKEM resistance table

Surface Preparation	New poured concrete:
	<ul style="list-style-type: none"> • Concrete compressive strength >25 N/mm² & bond strength >1.5 N/mm² • Allow to fully cure 28 days prior to application. • Remove any curing membrane by sanding or etching with a strong detergent.
	Old concrete:
	<ul style="list-style-type: none"> • 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.
Surface Preparation	Previously coated concrete:
	<ul style="list-style-type: none"> • 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 or Kemrepair EP and a bonding layer using Kembond EP.
	Steel surface:
	<ul style="list-style-type: none"> • The steel surface should be blasted to Sa 2 ½ surface quality to remove rust and mill scale.

Expansion Joints	Shall be installed in accordance with local building codes. Never bridge an expansion, contraction, or construction joint.
Mixing	<ul style="list-style-type: none"> •Stir the contents of pack A to disperse settlement, then add pack B and mix with a very low-speed mixer, until completely blended. This will take about 2 to 3 minutes. •Be careful not to introduce any air bubbles while mixing until a uniform consistency is obtained.
Application	<ul style="list-style-type: none"> •Application temp. +10/+30 °C •Apply the first coat of Kemfloor E115 with a stiff brush or roller to obtain a consistent uniform thickness. •Apply the second coat within the recoating intervals to achieve the maximum adhesion between the two coats.
Cleaning	Tools and equipment should be cleaned with a special solvent immediately after use
Theoretical coverage	0.2 Kg/m ² / D.F.T. 100 micron depending on substrate condition Minimum of two coats are recommended
Packaging	5 & 20 Kg Pails (A+B)
Shelf life & storage	Kemfloor E115 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	<p>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.</p> <p>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.</p> <p>PROKEM reserves the right to change the properties of its products.</p> <p>All orders are accepted subject to our current terms of sale & delivery.</p> <p>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.</p> <p>PROKEM extends technical services to include after sales support to assist users in the proper handling of our products.</p>