

Product Data Sheet
Edition 07.2008
Identification No. P - 8

KEMCOAT E115

High build solvent based epoxy coating



Description

KEMCOAT E115 is 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 glossy finish is required.

Advantages

- good chemical resistance to mostly used chemicals.
- 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 colours

Properties

Specific gravity	1.28 ± 0.04 (after mixing)
Solids content	64 ± 2% (by volume)
Flash point	45°C
A p p l i c a t i o n method	Airless spraying, roller or stiffed brush
Pot life at 23°C	8 hours
Dry to recoat	18 hours min. 2 days max.
Fully cared	7 days
A b r a s i o n resistance	Approx. 88 mg as per taber abrasor.
c h e m i c a l resistance	Please refer to PROKEM chemical resistance table.

How to use

Surface preparation:

- Concrete substrate: should be dry, clean and free from loose particles, oil and grease.
- Steel substrate: Sand blast, grit blast, or any other efficient method and ensure that all traces of rust are removed. Steel should then be primed by KEMPRIME M or KEMPRIM ZRS.
- Please refer to PROKEM technical office for further details on surface preparation and application procedure.

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 mins. using a slow speed (300 – 500 rpm) electric stirrer is preferred

Mixing Ratio (3 : 1) by weight.

Application:

- Apply 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.

Cleaning:

Tools and equipment should be cleaned with special solvent immediately after use.

Theoretical coverage

6.4 sq. m./ liter (0.2 kg./m²) for 100 microns d.f.t.

Packaging:

Two pack (A+B) 1,5kg pails.

Storage:

KEMCOAT E115 has a shelf life of 12 months if kept in original packaging in a dry condition.

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Precautions

Ambient and substrate temperature :
Min. +10°C
Max. +30°C

Health and Safety

- Use goggles, gloves and breathing mask when applying.
- Apply forced ventilation in confined spaces.
- Skin splashes to be removed with hand cleaner, soap and water.
- Eye splashes to be washed with plenty of water.
- If ingested seek medical advice.

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 extends technical services to include after sales support to assist users in a proper handling of our products.