

Product Data Sheet
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KEMCOAT E43

High Chemical resistant, non toxic solvent – free epoxy coating

Description

Kemcoat E43 is a two component, hygienic, chemical resistant , solvent free , polyamine epoxy coating

Where to use

For heavy duty protective coatings for concrete, wood floors and metal structures, subjected to chemical attack. It is approved for contact with potable water and for food processing and pharmaceutical industries.

Advantages

- Certificate of approval Egyptian National Organization for water and sewage
- An easy to clean tough glossy finish.
- Very good resistance to a wide range of chemicals and corrosive vapours.
- Non-toxic approved for food contact.
- Excellent mechanical properties.
- May be used as part of bridging lamination systems.
- Produced in several colours

Properties

Specific gravity	1.57±0.06
Solids content	100% (by volume)
Flash point	145°C
Application method	Airless spraying, roller or stiffed brush
Pot life at 23°C	40 minutes
Dry to recoat	Min.18 hours Max. 2 daysat 23°C.
Fully curved	7 days
Abrasion resistance	Excellent.
Chemical resistance	Please refer to PROKEM chemical resistance table.
Standards	DIN 53156 , 53151 ,

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 KEMPRIM 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) to disperse any settlement, then add the hardener (pack B) and mix thoroughly until a uniform consistency is obtained.

Mixing ratio: (4: 1) part by weight.

Application:

- Apply first coat of KEMCOAT E43 with a stiff brush or roller to obtain a continuous uniform thickness.
- Apply the second coat within the recoating interval to achieve the maximum adhesion between the two coats.
- Faster rates of applications are possible using airless spray equipment.

Cleaning:

Tools and equipment should be cleaned with PROKEM thinner immediately after use.

Theoretical coverage:

5 sq m/liter (0.3kg/m²) at with 200 microns D.F.T

Packaging:

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

Storage:

KEMCOAT E43 has a shelf life of 12 months if kept in original packaging in a dry condition.

Precautions

KEMCOAT E43 may be applied at temperature down to 5°C, and at lower temperature curing time will increase. For cold weather application it is recommended to store KEMCOAT E43 in a warm warehouse and only removed immediately before application. Accelerated heating methods are forbidden.

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 and seek for medical advice.
- If ingested seek medical advice.
- Do not smoke during use.

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.