

Kemcoat E43

High Chemical Resistant, Non Toxic Solvent – Semi glossy Free Epoxy Coating

Description	<p>Kemcoat E43 is a two components, hygienic, chemical resistant, solvent free, polyamine high quality epoxy internal coating for contact with potable water tanks. Not subjected to direct UV-rays to avoid the yellowish surface phenomena of epoxy.</p> <p>Kemcoat E43 is approved by the National Organization For Potable Water & Sanitary Drainage for drinking water and sewerage applications</p>	
Where to use	<p>For heavy duty protective internal 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</p>	
Advantages	<ul style="list-style-type: none"> • 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 vapors. • Non-toxic approved for food contact. • Excellent mechanical properties. • May be used as part of bridging lamination systems. • Excellent waterproofing resistance . 	
Properties		
Specific gravity	1.57 ±0.06	
Solids content	100% by volume	LEED NC-2016, IEQC 4.2, LEM
Flash point	145 °C	
Application method	Airless spraying, roller or stiffed brush	
Pot life @ 23 °C	40 Minutes	
Dry to recoat	24 Hours	
Fully cured	7 Days	
Abrasion resistance	Excellent.	
Temperature resistance	+ 80 °C	
Standards	DIN 53156 , 53151 , 53153 ASTM D5895, 522,23 69,BS6920	
Water permeability	1 bar (D.F.T 150 - 300 micron)	
Chemical Resistance Table is available		
Surface Preparation	<ul style="list-style-type: none"> • Concrete substrate: should be dry, clean and free from loose particles, oil and grease. • Steel substrate: Sandblast (Sa 2 ½), grit blast or any other efficient method (St 2) and ensure that all traces of rust are removed. • Moisture content must not be more than 4%. • Please refer to PROKEM technical office for further details on surface preparation and application procedure. 	
Mixing	<p>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.</p>	
Application	<ul style="list-style-type: none"> • Concrete surfaces can be primed with (Sealer E115 or Sealer E43 – Wetseal for green concrete) and leave to dry over night • Metal surfaces can be primed with Kemprim M or Kemprim ZP. • Apply the 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. • R.H. <85% • Recoating time is not more than 48 hours. 	

Cleaning	Tools and equipment's should be cleaned with PROKEM thinner immediately after use.
Theoretical coverage	0.3 Kg/m ² at 200 microns D.F.T A minimum of 2 coats are required
Packaging	Two packs of. (A+B) 5 & 20 Kg Pails
Shelf life & Storage	Kemcoat E43 has a shelf life of 12 months if kept in their original packaging in a dry condition.
Precautions	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<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 structure.</p> <p>PROKEM designs tailor made products should there be 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 term 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>