

Kemcoat W

Water Emulsifiable Pigmented Epoxy Coating

Description	Kemcoat W is multi-purpose water based two components epoxy coating, which cures to form a semi mat, hygienic flexible and easy to clean finish Kemcoat W combines the economy of water emulsifiable coatings and the durability of epoxy-based coatings Kemcoat W is approved by the National Organization For Potable Water & Sanitary Drainage for drinking water
Where to use	As an attractive easy to clean protective coating for walls that can be applied on concrete, rendering, stone, asbestos cement, steel, iron, wood..., etc. for basements, workshops, hospital, food and pharmaceutical factories
Advantages	• Easy to use pre-weighed packing • Economic • Hygienic and can be cleaned by commonly used cleaners and detergents • Durable • Water based no fire hazards • Produced in several Color's
Properties	
Specific gravity	1.41 ±0.02
Solids content	69 ±2 % (by volume)
Flash point	>200 °C
Application method	Airless spraying, roller or stiffed brush
Pot life @ 23 °C	2 hours
Dry to recoat	18 hours min. 2 days max.
Abrasion resistance	According to DIN 53109 (taper abrasion) 120mg.
chemical resistance	Resistant to water, juice, petrol, oil, fuel, sodium chloride and some other alkalies.
Final drying time	7 days @ 23 °C
Water permeability	1 bar (D.F.T 150 - 300 micron)
It complies with CRD C48	
Surface Preparation	New poured concrete: • Allow to fully cure 28 days prior to application and bond tensile strength should not be < 1.5 N/mm² • 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 and 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 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 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 Joints	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 to dispense settled components, then add the hardener pack B and mix thoroughly until a uniform consistency is obtained
Application	• The material can dilute up to 10% by adding water and used as a primer coat / or Bonding Primer can be used at rate of 0.1 – 0.15 Kg/m² • Apply the first coat of Kemcoat W with a distemper brush or roller to obtain a continuous uniform thickness and wetting of the surface • Apply the second coat within the recoating interval to achieve the maximum adhesion between the two coats • Thinning to 20 % with water is allowable
Precautions	• Ambient and substrate temperature: • Minimum +10 °C at least 3 °C above dew point • Maximum +30 °C • Adequate ventilation must be provided
Cleaning	Tools and equipment's should be cleaned with special solvent immediately after use
Theoretical coverage	0.2 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 W 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 the proper handling of our products