

Kemcoat W

Water Emulsifiable Pigmented Epoxy Coating

Description	<p>Kemcoat W is multi-purpose water based two components epoxy coating, which cures to form a semi mat, flexible and easy to clean finish.</p> <p>Kemcoat W combines the economy of water emulsifiable coatings and the durability of epoxy based coatings.</p> <p>Kemcoat W is approved by the National Organization For Potable Water & Sanitary Drainage for drinking water.</p>
Where to use	<p>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</p>
Advantages	<ul style="list-style-type: none"> • 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	<p>New poured concrete:</p> <ul style="list-style-type: none"> • 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. <p>Old concrete:</p> <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. <p>Previously coated concrete:</p> <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 EP bonding layer using Kembond EP. <p>steel surface:</p> <ul style="list-style-type: none"> • 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	<p>Shall be installed in accordance with local building codes. Never bridge an expansion, contraction or construction joint.</p>

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	<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 overnight. • Apply a key coat of Bonding primer at 0.2 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	<ul style="list-style-type: none"> • Ambient and substrate temperature: • Min. +10 °C at least 3 °C above dew point • Max. +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	<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>