

Kemfloor W

Water Emulsifiable Pigmented Epoxy Flooring

Description	Kemfloor W is multi-purpose water-based two-components epoxy flooring, which cures to form a semi-mat, flexible, and easy to clean finish. Kemfloor W combines the economy of water-emulsifiable flooring and the durability of epoxy based coatings. Kemfloor W can be thinned with water, is solvent-free and therefore, non-flammable, virtually odor-free, and can be applied to damp surfaces.	
Where to use	<p>Kemfloor W provides protection against low levels of rising water ingress through floors and walls.</p> <p>Kemfloor W is used as an attractive easy to clean protective coating for floors which can be applied on concrete, rendering, steel, iron, wood..., etc</p> <p>Kemfloor W is used in basements, workshops, hospitals, food and pharmaceutical factories.</p>	
Advantages	<p>Kemfloor W provides the following advantages:</p> <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 Colors. • Chemical and abrasion resistance. • Suitable for application to all factory floors. • Can be applied to damp surfaces. 	
Properties		
Specific gravity	1.41 ±0.02	
Solids content by volume	69 ±2 %	
Flash point	>200 °C	
Pot life @ 23 °C	2 hrs.	
Recoating time @ 23 °C	24 hrs.	
Abrasion resistance	120 mg	DIN 53109 (Taber abrasion)
Chemical resistance	Resistant to water, juice, petrol, oil, fuel, sodium chloride, and some other alkalis.	



New poured concrete:

Allow to fully cure 7 days prior to application.

Remove any curing membrane by sanding or etching with a strong detergent.

To prevent excessive absorption into the substrate, ensure that the concrete is slightly damp.

Pass a damp mop over the surface shortly before applying the coatings.

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. 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.

Steel surface:

The steel surface should be blasted to Sa 2 ½ surface quality to remove rust and mill scale 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.

Surface Preparation

Expansion Joints

Shall be installed in accordance with local building codes. Never bridge an expansion, contraction, or construction joint.

Mixing

Stir the contents of pack A to disperse settlement, then add pack B and mix with a very low-speed mixer, until completely blended. This will take about 2 to 3 minutes.

Be careful not to introduce any air bubbles while mixing until a uniform consistency is obtained.

Application

- For the first coat only, dilute the material with up to 15% soft water.
- Apply **Kemfloor 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.

Cleaning

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

Theoretical coverage

• 3.45 sq. m/lit (0.4 Kg/m²) for 200 microns D.F.T

• Minimum two coats are recommended.

Packaging

5 & 20 Kg Pails (A+B)

Shelf life & storage

Kemfloor W has a shelf life of 12 months if kept in its original packs in a dry condition



Health and Safety

This product is of low toxicity but normal precautions should be observed. Wear gloves, and if working overhead or spraying, wear goggles. Wash off any skin splashes with soap and water. Irrigating the eye with an eye bathing solution should treat eye contamination. Ensure adequate ventilation in confined spaces and use breathing aids. If ingested, drink milk or water and seek medical attention.

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 structures.

PROKEM designs tailor made products should there be a 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 terms 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.