

# Kemfloor GF

Glass Flakes Reinforced Solvent-Free Epoxy flooring.

<b>Description</b>	It is a two component amine cured, solvent-free epoxy glass flakes reinforced abrasion resistant epoxy floor coating. It is designed as an abrasive, impact resistant coating for areas of extreme wear and tear.
<b>Where to use</b>	Car parks, ramps and parking zones. Pedestrian walkways. Industrial flooring Warehouses, garages, dairies, laboratories and aircraft hangars. Beverage and plant rooms.
<b>Advantages</b>	Extended life regarding protective coatings. High resistance to cracking and peeling. Improved mechanical properties. Improved chemical and heat resistance. Reduced MVT (moisture vapor transmission). Improved tri-biological properties.
<b>Properties</b>	
Density	1.4 ±0.2 gm/cm <sup>3</sup>
Solids Content by Volume	100 %
Pot Life @ 23 °C	45 minutes
Fully Cured	7 days
Dry to Recoat	24 hours
Tensile Strength	18 — 20 N/mm <sup>2</sup>
Flexural strength	25 — 30 N/mm <sup>2</sup>
Compressive strength	50 — 55 N/mm <sup>2</sup>
Hardness (Shore D)	70 - 75
Impact	1 - 2 j/m
Tests	It complies with ASTM C-579, C-501, C-836& C- 580, C -307, D-2240,256, DIN 4102 Class 1.
<b>Surface Preparation</b>	All Surfaces must be sound, clean and dry. All Surfaces must be prepared according to SSPC-SP13, ACI -503.6R-97. Laitance and contaminations must be removed. Concrete compressive strength shall be (20-25N/mm <sup>2</sup> ), tensile bond strength shall be 2N/mm <sup>2</sup> and moisture content <5%.
<b>Mixing</b>	Mix (A&B) thoroughly for 2 minutes to get uniform color. No thinning is recommended.
<b>Application</b>	Apply with a roller or airless spray. Working temperature (10° C to 30° C, R.H. > 60%). Surfaces to be sealed with ( <b>Sealer E43</b> ) or ( <b>Wetseal</b> ) for wet concrete. Leave to dry overnight. 2 – 3 coats are recommended. For outdoor applications more abrasion resistance and UV-resistance use ( <b>Kemfloor PU</b> ) or ( <b>Prothan TC</b> ) as a finish coat.
<b>Cleaning</b>	Clean all tools and equipment immediately after use with <b>Prosolve EP</b> special solvent.

Theoretical Coverage	0.25 - 0.3 Kg/m <sup>2</sup> for a D.F.T 180 – 200 microns. Two coats are recommended.
Packaging	20 Kg pails. Part (A and B) 5 Kg pails. Part (A and B)
Shelf life and Storage	It has a shelf life of 12 months if kept in their original and undamaged packing in a dry condition. This product is of low toxicity but normal precautions should be observed. Wear gloves, and if working overhead or spraying, wear goggles.
Health and Safety	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	<b>PROKEM</b> 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. <b>PROKEM</b> designs tailor made products should there be critical application that requires specific properties rather than our main range. For our customer's satisfaction. <b>PROKEM</b> 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. <b>PROKEM</b> extends technical services to include after sales support to assist users in a proper handling of our product.