

Kemfloor AC

A Multi-Purpose Outdoor High Abrasion Surface Coating

Description	Kemfloor AC is a fast drying, high-performance, acrylic thermoplastic-based coating engineered for excellent abrasion and wear resistance. Provides durable protection against weathering and UV exposure, helping maintain long-term surface performance. Suitable for applications requiring a tough, weather-resistant finish with reliable durability. The material complies with, ASTM D522, D2196, D2369, D4541, D2794, D4060, and ASTM G154.
Where to use	Kemfloor AC adds color and improves traction on asphalt and concrete floors. It can be used for: • Tennis courts, play yards, and multi-purpose athletic courts • Concrete roofs, terraces, and exposed slabs • Parking decks, ramps, and pedestrian walkways • Jogging tracks and service areas subject to abrasion and regular foot traffic • Exterior concrete and masonry surfaces exposed to sunlight and weathering • Commercial and industrial facilities requiring a protective surface coating
Advantages	• Excellent abrasion and wear resistance • High resistance to UV radiation and weathering • Strong surface protection against environmental exposure • Good adhesion to properly prepared substrates • Flexible coating film with resistance to cracking • Suitable for exterior applications exposed to demanding environmental conditions
Properties	
Color	White, green, red, blue, and brown
Density	1.26 ± 0.05 gm/cm ³
Solids content	50 – 60 % By volume
Viscosity	2404 Poise @25 °C
Touch to dry	45 Minutes @25 °C
Hand dry	120 Minutes @25 °C
Fully dry	72 Hours
Bond strength to concrete	2.80 MPa
Abrasion resistance	50 mg/1000 Cycles
Weather resistance	Pass
UV resistance for 300 hours	Pass
Surface Preparation	• Concrete or asphalt surfaces must be clean, sound, and dry • All surfaces must be free from oil, grease, paints, and any loose particles • Laitance must be removed from concrete surfaces by mechanical methods • Dust and loose particles should be blown off to obtain clean surfaces

Expansion joints	• Shall be installed in accordance with local building codes • Never bridge an expansion, contraction, or construction joint
Mixing	• The material should be mixed in its containers until a uniform color is obtained • The mechanical mixer is preferred • Thinning with Prosolve EP up to 5%
Application	• The material is to be applied with a brush or roller • Apply a first coat as a sealer with a 10% Prosolve EP thinned material to seal pores • Allow to dry overnight • Surface defects such as shrinkage cracks, blow holes, shall be filled with Kempatch AC • Apply two or three coats with a roller using the material directly from its container • Leave the surface to fully dry before use for 3 days
Theoretical Coverage	0.2 Kg/m ² D.F.T 80 - 100 microns 2 - 3 coats are recommended
Packaging	5 & 20 Kg Pails
Shelf life & storage	12 months if stored in unopened containers in cool, dry condition
Health and Safety	• Use gloves and a breathing mask when applying • Apply forced ventilation in confined spaces • Skin splashes to be removed with hand cleanser, soap, and water • Eye splashes are to be removed with plenty of water • If ingested seek medical advice
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, then and 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.