

Kemfloor MS/PA

High Strength, Fast Cure, UV-Resistant and Chemical Resistant Polyaspartic Floor Screed.

Description	It is a 3-components Polyaspartic, solvent-free, fast cure, high compressive and flexural strengths. It is a very low linear shrinkage, rapid-cure, chemical and temperature resistant. It can be applied in thickness of 4 – 10 mm.
Where to use	• Cold storage area. • Industrial warehouses. • Food processing areas. • Pulp and paper mills. • Chemical plants. • Aircraft hangars and garages. • Patios, walk. • ways and driveways. • Show rooms, automobiles dealerships. • Restaurants floors, entry and lobby areas. • Fish, meat and poultry processing. • Bakeries, breweries and dairies. • Kitchens and cold storage areas
Advantages	• Fast cure (one-day job). • Low moisture sensitivity. • High tensile strength. • Color stable and water clear. • Excellent adhesion. • No odor and zero VOC. • UV stable. • High gloss. • Higher abrasion resistance than MMA. • Three times more durable than epoxy coatings. • Excellent chemical resistance according to USDA, CFIA. • Cures at low temperature.
Properties	
Specific Gravity	1.6 ±0.5 gm/cm ³
Heat Resistance	From -40 °C to +140 °C
Pot Life @ 25° C	15 minutes
Recoating time at 25 °C	1 hour
Curing Time @ 25 °C	1 hour
Foot Traffic	24 hours
Light Traffic	3 days
Heavy Traffic	
Compressive strength	50 – 60 N/mm ²
Flexural strength	50 %
Elongation	No water penetration
Shore D Hardness	60 – 70
Abrasion Resistance	25 – 30 mg loss
Pull off strength	2.7 – 2.9 Mpa
Tensile Strength	20 – 25 N/mm ²
Tests	It complies with ASTM C-349, C-348, D-638, D-4060, D-2485 EN-1062 ,1542,13529 ,13501

Surface Preparation	• Surface must be sound, clean and dry, free from dust, laitance, grease, curing compounds and other contaminants. • Surface to be prepared by shot blasting or any other approved mechanical means to achieve a surface profile CSP2-3 • Sweep or vacuum any dust or loose particles. • Concrete compressive strength (after 28 days) should be 25 Mpa and tensile of 1.5 Mpa • For applying over old or new epoxy coatings, the surfaces must be sanded (80 grit) and sheen removed and wiped properly to remove any dust. • Do not coat over acrylic or polyurethane coatings unless it is de-glossed. • Stir the contents of part A with an electrical stirrer to disperse any settlement.
Mixing	• Add part B to part A and mix for 2-3 minutes with a low speed drill • Add the mix (A&B) completely to the filler (C). • Mechanical mixing recommended until a homogeneous and uniform mixture is obtained • Apply bonding layer using Kemfloor E45 at coverage rate of 0.2 – 0.25 Kg/m² and apply the mortar whilst the primer is still wet • The temperature during application should be between 10 °C - 35 °C, Relative humidity should be less than 85%.
Application	• Spread using a steel trowel over the previous primed surface to give self-smooth finish. • If slip-resistant is required, aggregate should be sprinkled within the wet surface. • Leave to dry and brush off any excess filler. • Apply the final coat Kemfloor PA of by roller to a uniform finish.
Cleaning	Clean immediately with Prosolve PU. Cured material can be removed mechanically.
Theoretical Coverage	Kemfloor E45: 0.2 – 0.25 Kg/m² Kemfloor MS-PA: 6.5 Kg/m² for 4 mm thickness
Packaging	15 Kg set of (A+B+C)
Shelf life & Storage	12 months if stored in a dry, cool conditions in their original, unopened containers. Use goggles, gloves and a breathing mask when applying. Apply forced ventilation in confined spaces.
Health and Safety	Remove splashes from skin with hand cleaner or soap and water. Eye splashes to be washed 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 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 a proper handling of our product.