

Kemfloor PU-MS

Flexible Solvent-Free Polyurethane Resin Floor Screed

| | |
|-----------------------------|--|
| Description | <p>It is a solvent-free polyurethane flexible car park deck screed (4 – 10 mm) thick and high performance flooring for airport areas.</p> <p>It provides a colorful crack-bridging, waterproof, wearing surface for both intermediate and heavy traffic areas such as ramps, multi-story car parks, and loading bays.</p> |
| Where to use | <p>Since the material waterproof, reduces noise and enhances abrasion resistance.</p> <p>Kemfloor PUMS is suitable for use in:</p> <ul style="list-style-type: none"> • Multi-story car parks, garages, ramps, and loading bays. • Supermarkets, industrial floors, and Storage rooms. • Airport terminal buildings, baggage handling, and hangars. • chemical, beverage, and food processing plants. • Freezer and coolers. |
| Advantages | <ul style="list-style-type: none"> • Solvent-free, can be used over asphalt. • Reduce noise and hard wearing. • Fire resistant and crack resistant. • Excellent mechanical properties. • Slip resistant (Agg. no 1) and attractive. • Chemical, oil, and fuel resistant. |
| Properties | |
| Color | Available on request |
| Finish | Self-smooth or anti-slip |
| Density | 1.8 ±0.5 g/cm ³ |
| Viscosity | 80 – 100 mPa.s |
| Adhesion to concrete | 2.5 mPa |
| Initial & Full cure @ 23 °C | 24 Hours & 7 Days |
| Temperature tolerance | - 40 °C to + 120 °C |
| Tear Strength | 192 N (after 7 Days @ 23 °C) |
| Tensile strength | 4 – 6 N/mm ² (after 7 Days @ 23 °C) |
| Compressive strength | > 50 N/mm ² (after 7 Days @ 23 °C) |
| Flexural strength | 20 – 30 N/mm ² (after 7 days @ 23 °C) |
| Tests | It complies with ASTM C109,321,882 |
| Application | <p>Apply a bonding layer using Kemcrete EP/Sealer at a coverage rate of 0.2 – 0.25 Kg/m² and before the bonding layer cures apply the mortar screed.</p> <p>The temperature during application should be between 10 °C – 35 °C and the Relative humidity should be less than 85 %.</p> <p>Spread using a steel trowel over the previous primed surface to give a self-smoothing finish.</p> <p>If slip-resistant floor is required, aggregate should be sprinkled on the wet surface.</p> <p>Leave to dry and brush off any excess filler.</p> <p>Apply the final coat by a roller to a uniform finish coat.</p> |

| | |
|------------------------|---|
| Theoretical Coverage | 1st step Primer Kemcrete EP/Sealer for dry concrete and Wetseal for green concrete at a coverage rate of 0.2 — 0.25 Kg/m ² depending on substrate porosity. |
| Packaging | 2nd step Mortar screed Kemfloor PUMS (A +B+C) (Agg. no.1) 7 —18 Kg/m ² 4 — 10 mm Thick. |
| Shelf Life & Storage | Three components (A, B&C) (Agg. no.1001) 35 Kg sacks. |
| Shelf Life & Storage | 6 months if kept in their original and undamaged packing in a dry condition. |
| Health and Safety | Use gloves and breathing mask when applying. Apply forced ventilation in confined spaces. Skin splashes to be removed with hand cleanser, soap and water. Eye splashes to be removed with plenty of water. Ensure adequate ventilation in confined spaces and use breathing aids. If ingested, drink milk 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 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. |