

Kemcrete MS

Ultra Heavy Duty Solvent-Free Epoxy Mortar Floor Screed & Grout

Description	Kemcrete MS is three components SF -epoxy mortar screed & grout for tiles designed to be applied in thickness of 5-10 mm. It is ultra-heavy duty, wear and abrasion resistant, resistant to temperature between - 40 °C up to 120 °C hygienic and chemical resistant
Where to use	<p>Kemcrete MS floor find their widest use in the following:</p> <ul style="list-style-type: none"> • Food & beverage industries. • Pharmaceutical & medical industries. • Hospitals & laboratories. • Chemicals industries. • Cold stores & freezers.
Advantages	<ul style="list-style-type: none"> • Monolithic • Slip resistant & easy to clean. • Freeze / thaw resistant -40 °C up to 120 °C • Heat resistant to 120 °C hot oils, water vapor, up to 150 °C • Non –Tainting, non-dusting. • Nontoxic, antimicrobial • High wear and abrasion resistance • Withstands high mechanical stress • Chemical resistant to most alkalis , acids and solvents including (100% lactic acid, 100% oleic acid, 100% methanol, conc. Citric acid, hot oils, sugar and boiled water).
Properties	
Samples cured for 7 days and tests at 23 °C and R.H. 50 – 60%	
Density	2 ±0.2 g/cm ³
Volume solid	100 %
Pot life	60 minutes
Fully cured	7 Days
Compressive strength	70 - 80 N/mm ²
Temperature Resistance	- 40 °C / + 120 °C
Tensile strength	7 - 8 N/mm ²
Flexural strength	30 - 33 N/mm ²
Surface Preparation	<ul style="list-style-type: none"> • All concrete surfaces must be clean, sound, level, dry and free from dust, laitance and unsound concrete and from oil, grease and mold • All dust and debris should be removed prior to laying mortar. Steel surfaces should be degreased and blasted to Sa 2½ immediately prior to application
Mixing	Stir the contents of part A with an electrical stirrer to disperse any settlement. 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) (agg. no.3). Mechanical mixing is recommended until a homogeneous and uniformly moist mix is obtained.

Priming	<ul style="list-style-type: none"> • Prime the prepared concrete substrate using Kemcrete EP/Sealer (surface sealer) as a sealer coat at coverage rate 0.2 –0.25 Kg/m² • Mix components A and B together using a paint stirrer, pallet knife or similar until it is streak free • Using a paint brush or medium pile paint roller, apply the mixed primer to the prepared substrate • If the concrete absorbs the primer, leaving the surface matt instead of glossy, the surface should be re-primed • For green concrete or wet concrete moisture content >4% use Wetseal at a coverage rate of 0.2 - 0.25 Kg/m² • Ensure the mixing equipment is working and that a backup mixer is available in case of a breakdown • When using electrically powered mixing equipment verify the security of the power supply
Application	<ul style="list-style-type: none"> • Kemcrete MS should be spread to a uniform thickness on the primed surface by the edge of a steel trowel. The material should be stamped with a wooden float to ensure complete compaction and finally finished to a closed even texture using a steel trowel.
Cleaning	Cleaning all tools and equipment immediately after use with Prokem special solvent
Limitation	<ul style="list-style-type: none"> • Expansion joints in the existing substrate should be continued through Kemcrete MS and filled to the required level with a suitable sealant. • In constantly wet areas or where a high degree of cleanliness is required Kemcrete MS may be coated with Kemcrete EP. • To terminate at perimeters, up stands columns and skirting extend the Kemcrete MS to form a cove • Can't be walked on before 24 hours.
Theoretical Coverage	<p>1st step Primer Kemcrete EP/Sealer for dry concrete and Wetseal for green concrete at coverage rate as primer coat 0.2 - 0.25 Kg/m² depending on substrate porosity.</p> <p>2nd step Mortar screed Kemcrete MS (A+B+C) 8 - 20 Kg/m² 4 – 10 mm thick.</p> <p>3rd step Sealer coat using Kemcrete EP/Sealer at 0.2 - 0.25 Kg/m² depending on substrate porosity</p>
Cleaning	Clean all tools and equipment immediately After use with Prokem special solvent.
Packaging	Part (A+B+C agg. no. 3) 35 Kg
Shelf life & storage	12 months if stored in unopened containers in cool, dry condition.
Health and Safety	<ul style="list-style-type: none"> • 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	<p>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.</p> <p>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.</p> <p>PROKEM reserves the right to change the properties of its products.</p> <p>All orders are accepted subject to our current terms of sale & delivery.</p> <p>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.</p> <p>PROKEM extends technical services to include after sales support to assist users in the proper handling of our products.</p>