

Kemcrete SL

Heavy Duty, Self-Smoothing, Solvent-Free Epoxy Flooring

Description	<p>Kemcrete SL is a multi-component, self-smoothing, solvent-free epoxy floor topping system. It is a unique heavy duty floor overlay designed for continuous protection of concrete floors subjected to chemicals, sugar, fats and oils at high temperatures up to 120°C as well as boiled water. It is also suitable for cold storage and freezers since it withstands temperature of -40°C. It is hygienic, smooth, glossy, wear and abrasion resistant.</p>
Where to use	<p>Kemcrete SL is ideal floor finish for the following applications:</p> <ul style="list-style-type: none"> • Food & beverage industries including dairies, bakers and soft drink processing. • Pharmaceutical & medical industries. • Hospitals and medical centers. • Laboratories. • Cold storage areas & freezers. • Chemical industries.
Advantages	<ul style="list-style-type: none"> • Smooth and glossy. • Hygienic & none tainting. • Will not support bacterial growth. • Easy to clean. • Slip resistant (agg. no.2). • Temperature resistant (-40 °C up to +120 °C). • Long life. • Wear and abrasion resistant. • Chemical resistant including (50% acetic acid, 100% lactic acid, 100% oleic acid, concentrated citric acid, 100% methanol, hot oils, sugars flavoring, alkalis, and inorganic acids, even at high temperature up to 60°C. Table of chemical resistant is available upon request.
Properties	
Samples cured for 7 days and tests at 23 °C and R.H 50 – 60%	
Density	1.75 ± 0.15 g/cm ³
Volume Solids	100 %
Pot life	60 minutes
Fully cured	7 Days
Compressive strength	60 - 70 N/mm ²
Toxicity test	Non-toxic
Flexural strength	33 N/mm ²
Water absorption	Nil
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. • Steel surfaces should be degreased and blasted to Sa 2 ½ or any other alternative methods to provide clean and sound surfaces.

Mixing	<ul style="list-style-type: none"> • Stir the contents of pack A to disperse any settlement, and mix thoroughly until homogeneous • Add the mix (A+B) to the filler C (agg. no. 1002) continue mixing for 2-3 min. Until all components are thoroughly mixed.
Application	<ul style="list-style-type: none"> • Apply a full primer using Kemcrete EP/Sealer with a consumption of 0.2 – 0.25 Kg/m² – make sure the whole area is primed and no visible pinholes – repeat when needed • Apply the Self -smoothing mixture of Kemcrete SL with a toothed trowel and remove any entrapped air with a spiked roller. • Kemcrete SL should not be exposed to water, chemicals, or mechanical stresses before it is fully cured. • Substrate moisture ≤ 4% • Min substrate temperature +10 °C • Max substrate temperature +30 °C • Max relative humidity 85 % • Can be walked on after 24 hours.
Cleaning	Tools and application equipment should be cleaned with a special solvent immediately after use.
Theoretical Coverage	4 - 8 kg/m ² / 2 -4 mm
Packaging	Packages Part (A+B+C) (agg. no.1002) 30kg
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>