

Kemcrete SL

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

Description	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.
Where to use	Kemcrete SL is ideal floor finish for the following applications: • 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	• 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. Table of chemical resistance 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	• 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	• 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) and continue mixing for 2-3 min. Until all components are thoroughly mixed.
Application	• Apply a full primer using Kemcrete EP/Sealer with a consumption of 0.1 – 0.2 Kg/m² – make sure the whole area is primed and no visible pinholes – repeat when needed • Apply the Self-soothing 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	• 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. 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.