



Product Data Sheet  
Edition 07.2008  
Identification No. F - 4



## KEMFLOOR CSL

Self-levelling cementitious floor underlayment.

### Description

**KEMFLOOR CSL** is a specially formulated, high strength polymer modified cementitious underlayment with no shot blasting or sacrificing required.

### Where to use

- It is poured to restore and resurface precast or cast-in place concrete, smooth surface, pitted, spalled and scaled horizontal concrete which is structurally sound.
- It accepts practically any floor covering .

### Advantages

- KEMFLOOR CSL has unique features
- Pre-blended mix of Portland cement & special additives.
- Tested at the manufacturing plant and the job site to meet our stringent quality assurance requirements.
- Self-leveling thus eliminate troweling.
- Cuts labor costs.
- No shrinkage.
- Excellent adhesion to clean concrete.
- High strength.
- Self-curing.

### Properties

Installation Depths	from 0 to 7 mm
Working time	15 minutes at 20°C
Compressive Strength	modified ASTM C109 Up to 20 N/mm <sup>2</sup> (3days) Up to 30 N/mm <sup>2</sup> (7days) Up to 40 N/mm <sup>2</sup> (28 days)
Specific gravity	2 ± 0.2

### How to use

#### Surface Preparation:

Mix Concrete subfloors must be fully cured moisture free & have no efflorescence. The substrate surface shall be broom clean & contaminate free.

Cracks should be filled with a crack filler or an elastomeric compound.

Plumbing or electrical penetration should be packed with insulation & sealed.

#### Priming :

To promote proper hydration & to ensure a solid bond, the subfloor must be sealed with special sealer.

KEMFLOOR CSL should not be poured without first priming the subfloor .

#### Mixing :

The KEMFLOOR CSL powder, silica sand & liquid should be mechanically mixed using a 650 rpm power mixer or manufacturer-approved mixing/pumping equipment.

Each 25 kgs of KEMFLOOR CSL requires 4-4.25 L. clean water.

#### Testing:

Field testing must be performed in accordance with modified ASTM C109 using 2x2 inches cubes molds.

### Conditions during application

- Do not pour KEMFLOOR CSL where the floor temperature is less than 5°C or greater than 35°C

- Protect the poured mortar from wind & sun and from freezing temperatures for the first 72 hours.

- The concrete subfloor must be structurally sound & able to withstand live & dead loads.
- KEMFLOOR CSL will not structurally bridge over expansion joints, saw cuts or structurally cracks. They should be allowed to continue through the KEMFLOOR CSL.

- The architect or structural engineer must specify expansion joints & show their location in areas that will receive hard surfaces such as ceramic or marble tile and hardwood flooring.

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**Theoretical Coverage:**  
2 kg/m<sup>2</sup>/1mm (thickness)

**Packaging:**  
25 kg. sack

**Storage :**  
KEMFLOOR CSL has a shelf life of 12 months in recommended conditions.

### Health and Safety

- Use goggles-gloves and a breathing mask when applying.
- Apply forced ventilation in confined spaces.
- Remove splashes from skin with hand cleanser or soap and water.
- Eye splashes to be washed with plenty of water.
- If ingested seek medical advice..



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### 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 extends technical services to include after sales support to assist users in a proper handling of our products.