

Product Data Sheet
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Identification No. F - 9



KEMFLOOR ESL

Heavy Duty, Self-Leveling Epoxy Floor Topping

Description

KEMFLOOR ESL is a solvent free 3-components binder based on epoxy resin. Due to its low viscosity, highly filled self-smoothing can be produced it can be applied at the thickness of 1 – 3mm

Where to use

An easy to clean, with an attractive appearance for concrete floors such as

- Self-smoothing epoxy floor for moderate and heavy industrial use.
- For the production of self – smoothing epoxy floor on concrete and cement screed with excellent chemical resistance and attractive appearance .
- Pharmaceutical plants.
- Food industries.
- Bottling plants.
- Diaries.

Advantages

- Easy to apply pre-weighted packing.
- Easy to clean.
- Good adhesion to substrate.
- Easy to lay.
- Excellent abrasion resistance.
- Very good chemical resistance.
- No over coating, achieved in single operation.
- Available in a wide range of colors to enhance the working environment.

Properties

Colour	White,gray,and others are available on request.
solids by volume	100 %
specific gravity	1.87 ± 0.06
flash point	140 °C
chemical resistance	See PROKEM chemical resistance tables.
Pot life at 23 °C	45 min
Fully cured	7 day

Technical information (at 23°C after 7days):

Compressive strength	50-60 N/mm ²
Flexural strength	30 N/mm ²
Tensile strength	15 N/mm ²

How to use

Surface preparation:

- All concrete Surfaces must be clean, sound, level, dry and free from dust laitance and unsound concrete and from oil, grease and mould.
- Steel surfaces should be degreased and blasted to Sa 2 ½ or any other alternative methods to provide clean, sound surfaces.

Mixing :

- Stir the contents of pack A to disperse any settlement, and mixed thoroughly until homogenous (add the mix (A+B) to the filler C. continue mixing for 2-3 mins. Until all components are thoroughly mixed.
- Mixing ratio A:B:C: 4 : 1: 5 [by weight]

Application:

- Apply the Self-smoothing a toothed trowel and remove any entrapped air with a spiked roller.
- KEMFLOOR ESL should not to 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 - 6 kg/m²/2-3 mm

Packaging:

Packages Part (A+B) 5 kgs
Part C 5 kgs sacks

Storage:

KEMFLOOR ESL has a shelf life of 12 months if kept in original packing in a dry

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.
- 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 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.