

CEMIMAX DL59 Flex

FIBER-REINFORCED SMOOTHING COMPOUND

Fiber-Reinforced cementitious self-leveling smoothing compound with enhanced flexural strength

Description:

DL59 Flex is a Fiber-Reinforced cementitious self-leveling smoothing compound with enhanced flexural strength. It resists cracking and provides an exceptionally smooth, hard surface for use on timber substrate in residential and commercial areas.

Product Properties/Benefits:

Plastic dry cement mortar with finely graded fillers. When mixed with water, produces a hydraulic-setting smoothing compound with good flow properties and high coverage.

Composition:

Special cements, mineral fillers, polyvinyl-acetate-copolymers, flow agents and additives.

- Fiber-reinforced, resists cracking or shrinking
- Super smooth – requires no sanding
- Extremely high strength of compressive and bending
- Versatile – apply 1.5mm to 100mm in one application
- Rapid hardening – walkable from 2 hours
- Superior flow – fast application
- Flexible – hand mix or pump application
- Can be polished
- For Interior and Exterior use
- Suitable for Radiant Floor Heating systems
- Suitable for use over acoustic underlays
- Pigments can be added for colour
- Aggregates can be added for exposed stone effect
- Suitable for timber flooring as direct stick and for overlayment over the timber substrate.

Technical Data:

Compressive Strength

After 1 day approx. 15MPa

After 7 days approx. 25MPa

After 28 days approx. 40MPa

Tensile Bending Strength

After 1 day approx. 5MPa

After 7 days approx. 7MPa

After 28 days approx. 8MPa

Pack-size: 20kg/bag

Shelf-life: Min, 6 months

Coverage: Approximately 4m² at 3mm thick

Working time: 20-30mins

VOC Level: <0.5 mg/m³

Drying time: 2hrs

Suitable for direct stick

Thickness:

DL59 Flex can be applied from 1.5mm to 100mm thickness in one application.

Subfloor Preparation:

- The substrate must be sound, free from cracks, dry, clean and free from materials which would impair adhesion.
- Test the substrate according to applicable standards and report any deficiencies.
- Brush, abrade, grind or shot-blast any weak surface sections or areas which will not accept adhesion.
- Thoroughly vacuum to remove loose material and dust. According to type and condition of the subfloor, sable primer.
- Allow primers to dry thoroughly.

Application:

1. Put 4-4.4 litres of cold clean water into a clean container. Sprinkle in the sack contents (20kg) whilst stirring briskly and mix to a thick-fluid. Lump-free consistency. Use a drill or mixer fitted with a Mixing Paddle. Do not mix too thinly. For best flow ability of product, mix for 3 mins.

2. Pour the mixture on the area to be applied, spread the material uniformly to required thickness using toothed rake. It is the next step to remove entranced air by particular roller.

3. Drying time at 20°C is approx 24 hours. Abrading using 40-60 grit sanding paper improves both the surface quality and the absorbency. Poor air-flow and lower temperatures will significantly affect drying times.

Important Notes:

- Minimum shelf-life 6 months in original packaging and in dry storage conditions. Tightly seal opened packaging and use the contents as quickly as possible.
- Best applied at 18-25°C, floor temperature above 15°C and relative humidity below 75%. Low temperatures and high humidity delays setting, drying and readiness for covering. High temperatures shorten the working time. Therefore use the coldest possible mixing water during the summer.
- Protect freshly smoothed surfaces from draughts direct sunlight and influences of heat.
- The product should be protected against frost and direct light during transportation, storage and application. Application temperature should not be lower than 5°C.
- For exterior use: As long as the application follows the Cemimax's installation procedures, it is acceptable to use DL59 externally.

Disposal:

Dispose of empty packaging according to local regulations.

