

CEMIMAX CEMI SCREED

High Performance Rapid Setting Engineered Screed

Description:

Cemimax Cemi Screed is a ready-to-use, eco-friendly, normal-setting and rapid-drying engineered screed.

Product Properties/Benefits:

- Internal, external
- Ready-to-use, ensures constant levels of performance
- Ideal in renovation work
- High dimensional stability and long-lasting performance
- High mechanical resistance for screeds subject to heavy traffic
- Suitable for laying ceramic tiles, porcelain tiles, natural stone, hardwood floors and resilient materials using adhesives.

Technical Data:

Compressive Strength

After 1 day approx. 17MPa

After 7 days approx. 25MPa

After 28 days approx. 30MPa

Tensile Bending Strength

After 28 days approx. 5MPa

Color: grey

Water / Compound Ratio: 0.07-0.08/1

Working Time: > 1 hours

Pack-size: 20kg/bag

Shelf-life: 6 Months

Moisture content: after 24hour < 3%

Coverage: 16- 18 kg/m² per cm of screed thickness

VOC Level: <0.5 mg/m³

Surface/Substate 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, suitable primer.

Allow primers to dry thoroughly.

Application:

Put 1.4-1.6 litres of cold clean water into a clean container. Sprinkle in the sack contents (20kg mixed powder) whilst stirring briskly and mix to a plastic, highly workable paste. Too little water (damp soil consistency) will considerably reduce the mechanical strength of the finished screed, and too much water (fluid) will increase the hygroscopic shrinkage, making it inadvisable to fix ceramic tile after only 24 h.

Pour the mixture on the area to be applied, spread the material uniformly to Required thickness using toothed rake.

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 12 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.

Disposal:

Dispose of empty packaging according to local regulations.

