Cemimax Cemi Screed Max

Description:

Cemi screed max is a high performance light weight mortar binder with flow ability suitable for fast dry engineered screed installation. It is made by using high-quality polymer spray dry powder resin, special cement, special additives. It is desinged as concentrated binder applying with adding light weight aggregate component to creates a lightweight or engineered screed for subfloor.

Product Properties/Benefits:

- Lightweight aggregate reduces building load
- It is used for electric heating backfill and has the function of heat storage and heat preservation
- It has a certain fluidity, easy to pave and fast to construct
- Fast curing and drying time, shorten decoration period

Guide formulations for mix ratio

For light weight screed

Light weight aggregate(3-5mm) : 1:0.45/ Binder : Aggregate

For engineered screed

Sand (0.1-2mm): 1:10/Binder : Aggregate

Technical Data:

Compressive Strength

After 1 Day Approx. 14mpa

After 4 Days Approx. 20mpa

After 7 Day Approx. 28mpa

After 14 Days Approx. 40mpa

After 28 Days Approx. 45mpa

Color: grey

Water / Compound Ratio: 0.18/1(mixed powder)

Working Time: 20-30 miuntes

Pack-size: 20kg/bag(binder)

Shelf-life: Min,12 Months

Coverage: Approximately $3m^2$ at 5mm thick

VOC Level: <0.5 mg/m^3

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.

Subfloor Preparation:

Put 3.6 litres of cold clean water into a clean container. Sprinkle in the sack contents (20kg mixed powder) whilst stirring briskly and mix to a thick-fluid. Lump-free consistency. Use adrill or mixer fitted with a Mixing Paddle. Do not mix too thinly. For best flow ability of product, mix for 3 mins.

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.

Drying time at 20℃ 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℃, floor temperature above 15℃ and relative humidity below 75%.Low tempera tures 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℃.

Disposal:

Dispose of empty packaging according to local reglations.