

Self Leveling Mortar

Technical Data Sheet

GEOKRETE-SL is a proprietary blend of powders based on geopolymer technology used as underlayment or overlayment for repairing damaged or uneven flooring or for topping rough or spalled concrete. This can be applied over cement or gypsum concrete sub floors from 2mm thick, providing a smooth and level surface. It creates a monolithic surface that accepts a variety of floor coverings including carpeting, ceramic tile, wood laminate, hardwood vinyl, Epoxies and Polyurethane Coating.

- No priming & curing required
- Forms tenacious bond with host material
- Can accept floor coverings after 2 hours
- Highly water impermeable
- Can withstand high temperature



PHYSICAL PROPERTIES (Set Time at 30°C)

SET TIME

Initial Setting time : 15-Minutes

Final Setting time : 30- Minutes

*(Setting time will be further shortened at higher temperature site conditions)

Foot Traffic : 1 hr

Heavy Traffic : 3 hrs

COMPRESSIVE STRENGTH

2hrs 15 MPa

24hrs 20 MPa

3days 30 MPa

7days 35 MPa

28days 45 MPa

BOND STRENGTH TO CONCRETE

7 Days 4 Mpa

FLEXURAL STRENGTH

28 Days 6 Mpa

SHRINKAGE

None

OPEN POROSITY

Less than 1%

UNIT WEIGHT

2 170 kg/m³

COVERAGE

5 Kg/Sq metre @2 mm thickness

Quicker ...

Stronger ...

Greener ...

MIXING GUIDELINES (at 30°C)

Use about 180-200 ml of water per Kg of powder. For mixing use a mixer blade turning @ 500 to 800 RPM. Initially the mixture may appear dry. But do not add more water. After 2 minutes of mixing it will form smooth slurry. At this point you may choose to hand apply or use any kind of spraying equipments. Remember to wash off all the equipments immediately. Do not mix GEOKRETE-SL when the temperature exceeds 40°C. Increasing the water content more than specified will drastically affect the final properties of the product. To ensure the performance of the product DO NOT break up individual units into smaller portions. Mix the entire content at one time.

SURFACE PREPARATION

Floors must be dry, structurally sound, clean, free of dust, dirt, wax, oil, grease, asphalt, mastic, latex compounds, paints, adhesives.

SAFETY

The use of dust mask, safety goggles and gloves is recommended.

STORAGE LIFE

GEOKRETE-SL has a shelf life of 12 months from the date of manufacturing if stored in unopened original packing, under shade in dry and frost free conditions

PACKING

25Kg Bag(Each Pack Contains 5 Nos. x 5KG Sachets or 25 Nos. X 1KG Sachets)

PUMPING GUIDELINES

Do not begin mixing until the application group people are ready to work. Ideally, material should mix for 2 minutes using the mixer, and be poured. Do not mix for more than 3 minutes or rewater material. Try to avoid delays between applications.

DISCLAIMER: The use of this product is beyond the manufacturer's control and liability is restricted to the replacement of material proven faulty" The manufacturer is not responsible for any loss or damage arising from incorrect usage" Specifications are subjected to change without notice"

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