

TECHNICAL DATA SHEET

ELASTOCRETE

Flexible, Self-Leveling Mortar

PRODUCT DESCRIPTION

ELASTOCRETE is a cement-based, flexible, fiber-reinforced self-leveling mortar for concrete floors, steel, galvanized steel, and aluminum decks.

ELASTOCRETE contains a combination of specially selected cement, graded aggregates, synthetic flexible polymers, and a unique set control system. It requires only the addition of a measured quantity of water to produce a smooth free-flowing and self-leveling material which can be applied 5 – 50mm in one application. The material quickly attains a high surface strength and is walkable after 5-6 hours. Final covering after 1-5 days (10 mm/ day), depending on the substrate temperature, the ambient temperature of the work area, and the relative humidity.

CUSTOMER BENEFITS

- Ready to use – one-pack product, simply mix with water on site
- High Elasticity
- Very good workability and flowability
- Very good mechanical and bonding strength
- High surface strength
- Quick, easy laying and fast hardening
- Can be feather-edged to provide a smooth finish

RECOMMENDED FOR:

- Steel
- Galvanized steel
- Aluminum
- Concrete/cement-based stone
- Ceramics
- Plywood boards substrate as underlayment prior to the application of covering materials.

INSTRUCTIONS FOR USE

SURFACE PREPARATION

The substrate must be clean, sound, and free from dust, oil, grease, or surface contaminants. Remove any cement laitance, formwork traces, and loosely bonded particles. New concrete should be at least 14 days before the application of **ELASTOCRETE**.

Large cracks or holes may be filled using equal volumes of **ELASTOCRETE** and clean sand mixed into a trowellable mortar.

PRIMING

Concrete surfaces should be sealed prior to the application of **ELASTOCRETE**. Prime the surface with **CEMENT GRIP**.

For steel and metal surfaces, prime the surface with **CONFIX LV**.

Note: Do not wait for the bonding agent to dry. The mortar must be applied when the adhesive is still tacky.

MIXING

Mix 25 kg bag of **ELASTOCRETE** with 6.0 to 6.5 liters of clean water. Pour the water into a clean mixing vessel. Add the powder slowly to the water while mixing continuously with a heavy-duty drill fitted with a purpose-made paddle. Continue mixing for at least 3 minutes until a smooth creamy consistency is obtained. Do not mix more **ELASTOCRETE** than can be laid in about 15 minutes but ensure that the next mix is ready so that pouring can be continued until the whole area to be applied is complete. No additional water above the normal 6.0 to 6.5 liters should be used. Ensure that sufficient labor is available to enable continuous mixing and pouring.

APPLICATION

Pour the mixed material into the primed surface immediately, spread it out with a trowel, and let it flow smoothly. Roll the surface with a spiked roller to aid air release and leveling. Do not over roll. The required thickness must be achieved in one application.

CAUTION:

Do **not** attempt to float the setting surface. If a mix stiffens before it has been spread, it must be discarded. Do **not** attempt to remix with water.

TECHNICAL PROPERTIES

Appearance	: Grey powder
Mixing ratio	: 4.25-4.75 liters water for 25 kg bag
Consumption	: 1.85 kg/m ² at 1mm thickness
Pot life	: 15 – 30 minutes
Walkable after	: 5 – 6 hours
Compressive strength:	
28 days	: 3,500 psi

Note: Cure time will be shorter at higher temperatures, and longer at lower temperatures.

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PACKAGING

ELASTOCRETE is available in 25kg bags.

COVERAGE

The recommended coverage is 1.85 kg/m² at 1mm thick.

25kg bag will cover approximately 14 – 15m² at 1mm thickness.

Note: The coverage rates provided above are for guidance purposes only. Actual usage may vary depending on the specific substrate conditions and application methods.

STORAGE AND HANDLING

ELASTOCRETE has a shelf life of 12 months if maintained in dry storage conditions in unopened bags.

PRECAUTIONS

HEALTH AND SAFETY

ELASTOCRETE is alkaline and should not come in contact with skin and eyes. Any eye contamination should be washed with plenty of water. Where appropriate, wear suitable personal protective equipment e.g. gloves, and eye protection.

Refer to the latest Safety Data Sheet (SDS) for comprehensive safety information on the proper handling of this product.

WARRANTY AND DISCLAIMERS

The information provided in this technical data sheet is based on our best knowledge and testing methods. Any product use outside of specifications or improper storage or installation voids any warranty. Users are encouraged to conduct their own testing to assess product suitability. Always consult the product's safety data sheet (SDS) for safety guidelines and follow recommended precautions. We reserve the right to update this data sheet without notice, and users should ensure they have the latest information.