



SMART CRETE

SMART GLUE

Smart Glue is a pre-mixed, cement-based tile adhesive with improved properties and excellent deformability and slip resistance.

It is composed of hydraulic binders, high-quality fillers, and special additives. The product is supplied as a dry powder in pre-weighed bags, ready for on-site mixing; it requires only the addition of clean water and mixing to obtain a highly workable mortar.

A layer of Smart Glue should be applied at a thickness of 3–10 mm, depending on the type of tile and the condition of the substrate.



USES

- Ceramic tiles, natural stone aggregates (granite, marble, terrazzo), artificial stone, porcelain, and red, white, and cement bricks.
- Tiling on smooth concrete surfaces, lightweight blocks, regular blocks, and gypsum boards.
- Suitable for tile-on-tile applications and for both dry and wet conditions.

ADVANTAGES

- *Pre-mixed in factories to ensure consistent high quality.
- *Provides easy installation of all types of tiles, resulting in high productivity.
- *Suitable for both indoor and outdoor applications.
- *Suitable for horizontal and vertical surfaces.
- *Resistant to water and moisture.

TECHNICAL PROPERTIES

Standard values at a temperature of 25°C	Value
Color	White and Grey Powder
Maximum Aggregate Size	1,3 mm
Recommended Thickness	3 – 10 mm
Wet Density (Kg/L)	1,3
Open time	Approx. 20 minutes
Adhesion Strength (MPa) (SASO ISO 13007-2)	≥ 1,0
Deformation and Bending Criterion (mm)	≥ 2,5 ≤ 5
Volatile Organic Compounds (g/L)	< 25

STANDARD

BS: EN 12004 as C2T S1

BS: EN 13007-1: C2T S1

PACKAGING AND COVERAGE

- Smart Glue is packed in 25Kgs bags.
- 6-7 m² at 3 mm thickness (Approx.).
("The stated consumption and quantities are provided as general guidelines only. Actual consumption depends on the substrate condition, application method, and material wastage.")

STORAGE

"Shelf life: 12 months in the original, unopened packaging, provided it is stored in a dry place at a temperature below 35°C, kept away from direct sunlight, and elevated off the ground."

HEALTH AND SAFETY

- Cement may cause skin or eye irritation.
- In case of contact with eyes or skin , rinse thoroughly with water.
- Wear gloves, eyes protection and dust mask during handling.



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INSTRUCTIONS FOR USE

SURFACE PREPARATION

The substrate must be structurally stable, clean, and free from dust, loose particles, oils, grease, and any surface treatments or curing compounds.

The surface should be slightly damp at the time of application.

MIXING

To prepare the adhesive, pour 6–7.5 liters of water into a mixing container.

Add 25 kg of Smart Glue powder to the water and mix using a slow-speed electric mixer fitted with an appropriate mixing paddle until a smooth, lump-free paste is obtained.

Allow the mixture to rest for approximately 10 minutes, then remix briefly without adding any additional water.

Smart Glue may be mixed manually for small quantities; however, the correct powder-to-water ratio must be maintained. Do not add extra water once the mixture begins to set.

APPLICATION

Spread the mixture using a notched trowel and press it firmly onto the substrate.

Apply the adhesive only over an area that can be tiled within 10–15 minutes.

Press the tiles firmly into the adhesive bed and position them immediately. Adjust the tile alignment as necessary within the recommended adjustment time of 10–15 minutes after placement.

Do not walk on the installed tiles for at least 48 hours.

The adhesive should not rise between tile joints by more than half the tile thickness.

CLEANING

Clean tools and equipment with water immediately after use.

Hardened material may require mechanical removal.