



SMARTCRETE

SMART MORTAR

Smart Mortar is a cement-based, deformable mortar with enhanced properties and slip resistance. It is composed of hydraulic binders, fillers, and special additives. The product is supplied as a dry powder in pre-weighed bags, ready to be mixed on site with clean water only, producing a highly workable mixture.



USES

- Ready-to-use plaster suitable for interior and exterior applications on brick walls and rough surfaces.
- Can be applied on vertical and horizontal substrates.
- Can be used on smooth surfaces, provided that Smart Bond is applied beforehand.
- Achieves a layer thickness of up to 20 mm per coat.

ADVANTAGES

- Factory-pre-mixed to ensure consistent high quality.
- Excellent adhesion properties on various substrates.
- Suitable for both interior and exterior applications.
- Suitable for horizontal and vertical surfaces.

TECHNICAL PROPERTIES

Standard values at a temperature of 25°C	Value
Color	White and Grey Powder-Colored customization available
Maximum Aggregate Size	1.8 mm
Recommended Thickness	3 – 30 mm
Wet Density (Kg/L)	1,9
Pot life	Approx. 45 mins
Compressive Strength after 28 days (N/mm ²) (EN 1015 -11)	≤ 10
Flexural Strength after 28 days (N/mm ²) (EN 1015 -11)	≤ 2
Adhesion Strength after 28 days (N/mm ²) (EN 1015 -12)	≤ 0.3
Volatile Organic Compounds (g/L)	< 25

STANDARD

SASO EN 988-1 Class CS IV, W 1

PACKAGING AND COVERAGE

-Smart Mortar is packed in 50 Kg bags.
1 kg/m²/mm
("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 sound, clean, and free from dust, oils, grease, and any surface-treatment compounds.

The surface should appear damp at the start of application.

MIXING

Pour 6.5–8 liters of clean water into a mixing container.

Add 50kg of Smart Mortar powder and mix using a slow-speed electric mixer fitted with an appropriate paddle until a smooth, lump-free paste is obtained.

Allow the mixture to rest for about 5 minutes, then remix briefly without adding any additional water.

Smart Mortar 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.

If higher strength is required, 1–2 liters of Smart Bond may be added to the mix, reducing the same amount from the original water ratio.

APPLICATION

Apply Smart Mortar in a layer not exceeding 20 mm per coat using a spray machine, trowel, or float.

Multiple coats may be applied up to a maximum total thickness of 30 mm, allowing approximately 120 minutes drying time between coats, followed by proper smoothing.

CLEANING

Clean tools and equipment with water immediately after use.

Hardened material may require mechanical removal.