

Viacrete Self-Leveling Mortar

PRODUCT DESCRIPTION:

Viacrete SLS-2 is a polymer-modified, single-component, self-leveling cementitious mortar designed to level and smooth concrete surfaces before installing tiles, wood, carpet, or other floor finishes. It provides excellent adhesion, high compressive strength, and a smooth, level finish in a single application.

Technical Details

Property	Result
Appearance	Grey Powder
Compressive Strength	47.6 MPa (28 days)
Flexural Strength	6.77 MPa (28 days)
Tensile Strength	2.95 MPa (28 days)
Drying Shrinkage	0.63%
Bond Strength	35 ksc
Specific Gravity	2.08 kg/L
Initial Setting Time	2 hr 30 min
Final Setting Time	5 hr

KEY FEATURES & BENEFITS

- ✔ Self-leveling formulation for fast & easy floor preparation
- ✔ Excellent bonding with old and new concrete
- ✔ Suitable for both internal and external surfaces
Ready-to-use – just add water
- ✔ Can be applied at 3–10 mm thickness
- ✔ Smooth, crack-free finish

RECOMMENDED USES

- ✔ Leveling concrete floors prior to laying ceramic tile, parquet, carpet, or vinyl
- ✔ Smoothing of interior and exterior concrete floors
- ✔ Ideal for homes, commercial spaces, and light industrial floors
- ✔ Can be applied on balconies, corridors, and under raised floors

LIMITATIONS

- ✔ Do not apply below 5°C or above 35°C
Not suitable for applications below 3 mm thickness
- ✔ Avoid over-watering or remixing after setting has begun
- ✔ Ensure primer is fully absorbed and surface is tack-free before pouring

SHELF LIFE & STORAGE

- ✔ 12 months in sealed packaging if stored in cool, dry, shaded conditions



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SAFETY PRECAUTIONS

- ✔ Wear protective gloves, safety glasses, and a dust mask during mixing and application
- ✔ Avoid contact with eyes and skin – rinse immediately with clean water if exposed
- ✔ Do not inhale powder – ensure proper ventilation
- ✔ Keep out of reach of children

COVERAGE

- ✔ 25 kg bag covers approx. 5 m² at 3 mm thickness
- ✔ 1.6 kg per m² per 1 mm thickness (may vary by substrate condition)

PACKAGING

- ✔ Supplied in 25 kg moisture-resistant bags

03. MIXING

- ✔ Mix Viacrete SLS-2 with 5.5–6 litres of clean water per 25 kg bag
- ✔ Always add water first, followed by powder
- ✔ Use a mechanical mixer at 500 RPM for 3–5 minutes until smooth
- ✔ Use mixed mortar within 15–20 minutes

Application Instructions

01. SURFACE PREPARATION

- ✔ Ensure the surface is clean, dust-free, and structurally sound
- ✔ Remove any contaminants like grease, paint, or loose material
- ✔ Damp the surface slightly before application, but avoid standing water
- ✔ For enhanced adhesion, apply Viacrete SLS Primer (mix 1:2 with water) and let it dry for 15–20 minutes

02. APPLICATION

- ✔ Pour the prepared mortar directly onto the primed surface
- ✔ Use a trowel or screed bar to spread evenly
Remove air bubbles using a spiked roller
- ✔ Mix and pour continuously to ensure a seamless finish
- ✔ Allow the surface to cure before permitting foot traffic