

# Viacrete Floor Screed

## PRODUCT DESCRIPTION:

Viacrete Floor Screed is a single-component, pre-blended, polymer-modified levelling screed designed for internal and external floor applications. It is ideal as a protective topping over waterproofing layers, for industrial floors, parapets, and as an underlayment for marble and large-format tile installations.

## Technical Details

Property	Value
Appearance	Grey, free-flowing powder
Fresh Wet Density	2250 – 2350 kg/m <sup>3</sup>
Pot Life	~1 hour
Compressive Strength (28 days)	≥ 25 N/mm <sup>2</sup>
Curing	3–5 days, 3 times a day

## SHELF LIFE & STORAGE

- ✓ 12 months from the date of manufacture in unopened
  - ✓ packaging
- Store in a dry, cool place away from direct sunlight

## KEY FEATURES & BENEFITS

- ✓ Excellent adhesion to concrete and waterproofed surfaces
- ✓ High compressive strength for long-term durability
- ✓ Fast application from 20 mm to 60 mm in a single layer
- ✓ Walkable or usable after just 48 hours
- ✓ Single-component & ready to mix
- ✓ Formulated with high-quality sand and graded fillers

## RECOMMENDED USES

- ✓ Protective screed over waterproofing systems
- ✓ Flooring for warehouses, workshops, balconies, parapets
- ✓ Underlayment for marble, granite, or large tile flooring
- ✓ Leveling layer for both indoor and outdoor concrete floors

## LIMITATIONS

- ✓ Not suitable for thicknesses below 12 mm in a single layer
- ✓ Avoid application in temperatures below 10°C or above 40°C
- ✓ Not recommended for use on non-absorbent or dusty substrates without proper surface preparation
- ✓ Do not add extra water once the mixture starts to set
- ✓ Not intended as a final wearing surface for heavy-duty industrial traffic without protective coating
- ✓ Must be applied over properly primed or roughened surfaces for best results



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## SAFETY PRECAUTIONS

- ✔ Wear protective gloves, goggles, and a dust mask while mixing and applying
- ✔ Avoid inhalation of dry powder or contact with eyes and skin
- ✔ Wash skin thoroughly with clean water in case of contact
- ✔ Ensure adequate ventilation during indoor application
- ✔ Do not ingest. If swallowed, seek immediate medical attention
- ✔ Keep out of reach of children and pets

## COVERAGE

- ✔ 11.25 – 12.5 sq. ft. per 25 kg bag at 12 mm thickness

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## Application Instructions

### 01. SURFACE PREPARATION

- ✔ Clean the surface thoroughly to remove oil, dust, laitance, and loose particles
- ✔ Prepare the surface using a wire brush, water jet, or similar methods
- ✔ Ensure the surface is roughened or apply Viacrete Universal Polymer as a bonding agent for better adhesion

### 02. APPLICATION

- ✔ Pour the mixed screed evenly over the prepared surface
- ✔ Level using a spatula, aluminum float, or mechanical levelling tools
- ✔ Maintain expansion joints or groove cuts as per site and thickness requirements

### 03. MIXING

- ✔ Add 15–18% clean potable water by weight to the powder
- ✔ Mix for 2–3 minutes until a lump-free, consistent mortar is achieved
- ✔ Optionally, add well-graded 10 mm aggregates in a 1:1 ratio by weight for thicker sections