

# Platinum Tile Adhesive – Type 4

## TECHNICAL DATASHEET

### PRODUCT DESCRIPTION:

Viacrete Platinum Tile Adhesive (Type 4) is an ultra-premium, highly polymer-enriched grey cement-based tile adhesive developed for high-performance installations involving large format tiles, natural stones, and slabs in the most demanding interior and exterior environments. Designed to meet C2TES2 standards, it offers superior flexibility, exceptional bond strength, and anti-slip properties even under extreme conditions.

### Technical Details

| Parameter                   | Result            |
|-----------------------------|-------------------|
| Colour                      | Grey              |
| Mixing Ratio (Powder:Water) | 3:1               |
| Bulk Density                | 1.45 – 1.55 gm/cc |
| Mixed Density               | 1.65 – 1.75 gm/cc |
| Pot Life                    | > 3 Hours         |
| Open Time                   | > 30 Minutes      |
| Adjustability               | ~30 Minutes       |
| Final Setting Time          | 24 Hours          |
| Max. Bed Thickness          | 15 mm             |
| Time to Light Foot Traffic  | 24 Hours          |
| Ready for Grouting          | 24 Hours          |
| Full Cure                   | 14 Days           |

### KEY FEATURES & BENEFITS

- ✔ Outstanding bond strength for the heaviest stones and large tiles
- ✔ Extended open time and adjustability for complex applications
- ✔ Enhanced deformability and flexibility (S2 classified)
- ✔ Suitable for high-stress zones: facades, exteriors, industrial floors
- ✔ Water-resistant, frost-resistant, and weatherproof
- ✔ Anti-slip and sag-resistant for vertical applications

### SUITABLE FOR

#### TILE & STONE TYPES

- ✔ Porcelain, vitrified, and ceramic tiles
- ✔ Granite, marble, quartz, and natural stones
- ✔ Engineered stones, composites, and slim tiles
- ✔ Large format slabs and heavy cladding tiles

#### AREAS OF APPLICATION

- ✔ High-traffic commercial and industrial floors
- ✔ Façades, podiums, external elevations, balconies
- ✔ Swimming pools, wet areas, and heavy-use bathrooms
- ✔ Airports, malls, hospitals, and public infrastructure

#### COMPATIBLE SUBSTRATES

- ✔ Concrete, screeds, and cement plasters
- ✔ Brick masonry, AAC blocks, concrete blocks
- ✔ Cement boards, fibre cement sheets
- ✔ Existing tiles and stones (with suitable preparation)
- ✔ Approved Viacrete waterproofing systems

# Platinum Tile Adhesive – Type 4

## Installation Instructions

### 1. SURFACE PREPARATION

- ✔ Clean and sound substrate, free from oil, grease, dust, and loose particles
- ✔ Dampen very absorbent surfaces with clean water before application

### 2. MIXING INSTRUCTIONS

- ✔ Mix 6–7 litres of clean water with 20 kg of Viacrete Platinum Adhesive
- ✔ Gradually add powder to water and mix using a low-speed mechanical stirrer (<500 rpm)
- ✔ Mix until smooth, lump-free paste forms
- ✔ Allow to stand for 5 minutes, then remix briefly before use

### 3. APPLICATION

- ✔ Apply adhesive using flat side of notched trowel, then comb with notched side
- ✔ Back-butter large format tiles or heavy stones for complete coverage
- ✔ Position tiles with a twisting motion and ensure proper bedding
- ✔ Maintain joint spacing using spacers for grout lines and movement joints

### 4. GROUTING

Begin grouting 24 hours after tile application using Viacrete-approved grouts

### 5. CLEANING

Clean tools and tile surfaces with a damp sponge or cloth before adhesive sets

### COVERAGE

Approx. 55–60 sq. ft. per 20 kg bag at 3 mm thickness (with 6mm x 6mm notched trowel). Coverage may vary depending on tile size, bed thickness, and surface conditions.

### SHELF LIFE

12 months from date of manufacture in original sealed packaging when stored in a cool, dry place away from direct sunlight and moisture.

### LIMITATIONS

Viacrete Platinum is not a replacement for waterproofing. Where waterproofing is required, use Viacrete Waterproof Solutions. Not recommended for glass tiles or metal substrates. Avoid use on deformable, wet, or uncured substrates. For high-height stone or tile cladding (>3 meters), mechanical anchoring is advised.

### IMPORTANT NOTES

- ✔ Always add powder into water, not vice versa
- ✔ Do not add cement, sand, or foreign admixtures
- ✔ Do not use to level uneven surfaces >15 mm
- ✔ Protect freshly installed surfaces from traffic, water, and frost for 24 hours
- ✔ Use appropriate notched trowel to maintain bed thickness
- ✔ Follow all movement joint guidelines as per tile installation standards

### SAFETY PRECAUTIONS

- ✔ Wear gloves, goggles, and dust mask during application
- ✔ Avoid contact with eyes and prolonged skin exposure
- ✔ Keep away from children
- ✔ In case of accidental contact, rinse with clean water and seek medical help if needed