

# Diamond G Tile Adhesive – Type 3

## TECHNICAL DATASHEET

### PRODUCT DESCRIPTION:

Viacrete Diamond G Tile Adhesive (Type 3) is a premium, highly polymer-modified cement-based adhesive designed for superior bonding of vitrified tiles, natural stones, and large format slabs. Engineered for critical applications, this high-performance adhesive provides extended open time, excellent flexibility, and high strength, making it ideal for interior and exterior installations on demanding substrates.

### 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

- ✔ Exceptional bond strength for heavy tiles and natural stones
- ✔ Extended open time & working time – ideal for large format applications
- ✔ High flexibility to absorb thermal and mechanical movement
- ✔ Anti-slip properties for vertical tile fixing
- ✔ Water-resistant and suitable for wet areas
- ✔ For internal, external, dry, and wet conditions

### SUITABLE FOR

#### TILE & STONE TYPES

- ✔ Vitrified, ceramic, and porcelain tiles
- ✔ Marble, granite, and other natural stones
- ✔ Engineered, artificial, and composite stones
- ✔ Large format tiles, slabs, and slim tiles

#### AREAS OF APPLICATION

- ✔ Interior and exterior floors and walls
- ✔ Façades, balconies, podiums, and high-traffic areas
- ✔ Bathrooms, kitchens, swimming pool decks, and wet zones
- ✔ Commercial, residential, and industrial spaces

#### COMPATIBLE SUBSTRATES

- ✔ Cement screeds and plasters
- ✔ Concrete surfaces
- ✔ AAC blocks, bricks, and masonry
- ✔ Existing tile surfaces (after proper preparation)
- ✔ Cement boards, fibre cement sheets, and approved waterproofing systems



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## Installation Instructions

### 1. SURFACE PREPARATION

Ensure the surface is structurally sound, clean, and free from dust, oil, and loose material. Dampen very absorbent surfaces with clean water.

### 2. MIXING INSTRUCTIONS

- ✔ Add 6–7 litres of potable water per 20 kg of adhesive.
- ✔ Gradually mix powder into water using a slow-speed mechanical mixer (<500 rpm).
- ✔ Mix for 3–5 minutes until a smooth, uniform paste is obtained.
- ✔ Allow the mix to stand for 5 minutes, then remix briefly before application.

### 3. APPLICATION

- ✔ Spread the adhesive with the flat side of a notched trowel, then comb with the notched side.
- ✔ For large or heavy tiles, back-butter the tile for better contact.
- ✔ Place tiles with a slight twisting motion and adjust within open time.
- ✔ Leave uniform gaps between tiles using spacers.

### 4. GROUTING

Grouting can begin 24 hours after tile installation using Viacrete tile grout.

### 5. CLEANING

Clean excess adhesive from tile surfaces and tools with a damp sponge before setting.

### COVERAGE

Approximately 55–60 sq. ft. per 20 kg bag at 3 mm bed thickness (with a 6mm x 6mm notched trowel). Coverage may vary based on tile size and surface evenness.

### SHELF LIFE

12 months from the date of manufacture when stored in original sealed packaging in a cool, dry place.

### LIMITATIONS

Viacrete Diamond G is not a substitute for waterproofing. Where required, use Viacrete Waterproof Systems. Do not apply over metal, plastic, or deformable surfaces. Not recommended for glass tiles. Avoid application over wet or uncured substrates. For tiles installed above 3 meters or over heavy stones, use mechanical anchoring in addition to adhesive.

### IMPORTANT NOTES

- ✔ Always add powder to water
- ✔ Do not add cement, sand, or any admixture
- ✔ Do not exceed recommended thickness (15 mm max)
- ✔ Do not use to correct surface levels beyond 15 mm
- ✔ Protect tiling from direct exposure to water or foot traffic for at least 24 hours
- ✔ Use proper notched trowel for uniform thickness

### SAFETY PRECAUTIONS

- ✔ Use personal protective gear (gloves, mask, and goggles)
- ✔ Avoid direct contact with skin and eyes
- ✔ Keep out of reach of children
- ✔ In case of contact, rinse immediately with clean water and seek medical advice if irritation persists