

Viacrete Epoxy Adhesive

PRODUCT DESCRIPTION:

Viacrete Epoxy Adhesive is a solvent-free, two-component epoxy-based adhesive formulated for fixing ceramic, vitrified, and natural stone tiles on a wide range of substrates. It is specially designed for high-performance applications where excellent mechanical strength, chemical resistance, and water resistance are required. Suitable for both indoor and outdoor installations, Viacrete Epoxy Adhesive is ideal for areas exposed to moisture, heavy loads, and frequent cleaning.

Technical Details

Property	Result
Components	Two (Part A Resin + Part B Hardener)
Appearance (Mixed)	Uniform paste
Colour	Grey
Mixing Ratio (A:B)	2:1 by weight
Pot Life	45 minutes @ 27°C
Open Time	30 minutes
Adjustability Time	25 minutes
Initial Setting Time	2 hours
Final Setting Time	24 hours
Compressive Strength	> 40 MPa
Tensile Adhesion Strength	> 2.5 MPa
Shear Strength	> 7 MPa
Water Absorption	< 0.10%

KEY FEATURES & BENEFITS

- ✓ Exceptional bond strength and durability
- ✓ High chemical and water resistance
- ✓ Ideal for wet areas, industrial kitchens, laboratories, and swimming pools
- ✓ Sag-resistant – suitable for vertical applications
- ✓ Fast setting with excellent adhesion on dense surfaces
- ✓ Resistant to stains, impact, and vibration

SUITABLE FOR

- ✓ Fixing tiles in commercial kitchens, bathrooms, pools, and high-moisture zones
- ✓ Interior and exterior floors and walls
- ✓ Vitrified tiles, ceramic tiles, glass mosaic, marble, and granite
- ✓ Concrete, metal, old tiles, epoxy floors, cement boards, and waterproofing membranes

Installation Instructions

1. SURFACE PREPARATION

- ✓ Ensure all surfaces are clean, dry, and structurally sound.
- ✓ Remove dust, oil, grease, loose particles, curing compounds, or other contaminants.
- ✓ Highly absorbent or old substrates should be primed or dampened as needed.

2. MIXING INSTRUCTIONS

- ✓ Mix Part A and Part B in a 2:1 ratio by weight.
- ✓ Use a clean mixing container and a slow-speed electric stirrer.
- ✓ Mix for 2–3 minutes until a smooth, uniform paste is achieved.
- ✓ Do not add water or solvents.



Viacrete Epoxy Adhesive

Installation Instructions

3. APPLICATION

- ✔ Apply with the flat edge of a notched trowel, then comb using the notched side.
- ✔ For heavy or large-format tiles, apply adhesive to both surface and tile back (back-buttering).
- ✔ Set tiles within the open time and press firmly to ensure full contact.
- ✔ Use tile spacers for consistent grout lines.

4. GROUTING

Grouting should begin after 24 hours using Viacrete Epoxy Grout or other suitable grouts.

COVERAGE

Approx. 1.5–2.0 kg/m² for 3 mm bed thickness. Coverage may vary depending on tile type, size, and substrate roughness.

SHELF LIFE

12 months from date of manufacture in original, sealed containers. Store in a cool, dry, and ventilated place away from direct sunlight and freezing conditions.

LIMITATIONS

Not intended for deformable or moisture-sensitive substrates.

Do not apply over wet, uncured, or contaminated surfaces.

Not to be used as a grout or joint sealant.

Avoid use in areas exposed to frequent thermal shock unless verified.

IMPORTANT NOTES

- ✔ Mix complete units to maintain correct ratio.
- ✔ Clean all tools with solvent or warm water before the adhesive hardens.
- ✔ Do not re-temper or modify components.
- ✔ Conduct a stain test on light-colored or sensitive stones.

SAFETY PRECAUTIONS

- ✔ Always wear protective gloves, goggles, and clothing during application.
- ✔ Avoid direct skin and eye contact.
- ✔ Ensure good ventilation when working in enclosed areas.
- ✔ If contact occurs, rinse immediately with clean water and seek medical advice.
- ✔ Keep product away from heat sources and out of reach of children.