



Viacrete PU Adhesive 2K

PRODUCT DESCRIPTION:

Viacrete PU Adhesive 2K is a premium two-component polyurethane adhesive designed for demanding construction and industrial applications. It delivers exceptional adhesion to a wide range of surfaces including concrete, stone, metal, wood, and synthetic materials. Formulated for strong, long-lasting bonds, this adhesive provides excellent flexibility, weather resistance, and shock absorption for both indoor and outdoor use.

Technical Details

Property	Result
Components	Two (Part A: White, Part B: Brown)
Mixing Ratio	1:1 (by weight or volume)
Appearance (Mixed)	Uniform paste
Pot Life	20–30 minutes @ 25°C
Tack-Free Time	45–60 minutes
Full Cure	24–48 hours
Application Temperature	+10°C to +35°C
Service Temperature	-20°C to +80°C
Tensile Strength	≥ 1.8 MPa
Elongation at Break	≥ 250%
Shear Adhesion Strength	≥ 2.0 MPa
Shore A Hardness	35–45
UV & Water Resistance	Excellent

KEY FEATURES & BENEFITS

- ✓ Superior adhesion to porous and non-porous substrates
- ✓ Excellent flexibility to accommodate movement and stress
- ✓ High resistance to water, UV rays, and harsh weather
- ✓ Fast tack-free and cure time
- ✓ Non-shrinking, non-sagging application
- ✓ Shock and vibration resistant

SUITABLE FOR

- ✓ Stone cladding and large-format tile installations
- ✓ Structural bonding of metals, glass, wood, and engineered panels
- ✓ Indoor and outdoor assembly joints exposed to dynamic loads
- ✓ Vertical and overhead applications
- ✓ Façades, decorative stone elements, countertops, and more

COMPATIBLE SUBSTRATES

- ✓ Concrete and cementitious surfaces
- ✓ Metals (aluminium, steel, copper)
- ✓ Wood, plywood, and WPC boards
- ✓ Ceramic and natural stone
- ✓ PVC, rubber, and epoxy-coated surfaces



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Installation Instructions

1. SURFACE PREPARATION

Ensure all substrates are clean, dry, stable, and free from dust, grease, or other contaminants. Roughen glossy or smooth surfaces to improve mechanical grip.

2. MIXING INSTRUCTIONS

- ✓ Mix Component A and Component B in equal ratio (1:1 by weight or volume).
- ✓ Stir thoroughly with a slow-speed mixer until a uniform consistency is achieved.
- ✓ Use the mixture within its pot life (20–30 minutes).

3. APPLICATION

- ✓ Apply the adhesive with a spatula, trowel, or caulking gun depending on the job.
- ✓ Press both bonding surfaces firmly together.
Allow to set for at least 6–8 hours before subjecting to light load.
- ✓ Full cure is achieved in 24–48 hours.

COVERAGE

Approx. 1.5 kg/m² at 1 mm thickness. Actual coverage may vary based on substrate condition and application method.

SHELF LIFE

12 months from the date of manufacture when stored in original sealed packaging in a dry, shaded area between 5°C and 30°C.

LIMITATIONS

Viacrete PU Adhesive 2K is not suitable for continuous water immersion. For waterproofing needs, use Viacrete Waterproof Solutions. Do not apply on surfaces with active moisture or rising damp. Avoid use on polyethylene (PE), polypropylene (PP), or Teflon (PTFE) without surface preparation.

IMPORTANT NOTES

- ✓ Do not dilute or alter the mix ratio
- ✓ Apply within pot life for best results
- ✓ Protect freshly applied adhesive from water or mechanical stress during curing
- ✓ Test on light-colored stones for staining before full-scale application
- ✓ Ensure good ventilation during use

SAFETY PRECAUTIONS

- ✓ Use protective gloves, clothing, and goggles
- ✓ Avoid contact with eyes and skin; wash thoroughly after use
- ✓ Keep out of reach of children
- ✓ In case of ingestion or eye contact, seek medical attention immediately