

A thick dark grey vertical bar runs along the left edge of the page. In the lower-left quadrant, several thin, dark grey curved lines sweep upwards and to the right, creating an abstract, organic shape.

GLAZE PLUS

# TECHNICAL DATA SHEET

## STONELOCK PU-E

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## DESCRIPTION

StoneLock PU-E is a UV-stable, non-yellowing, solvent-free resin designed for strong, clear bonding on stone, terrazzo, and concrete. It offers fast curing, high strength, and lasting color stability, even on white and light surfaces.. Perfect for thin bonding applications, StoneLock PU-E combines strength, transparency, and long-term stability in one professional-grade solution.

## PRODUCT DESCRIPTION

- UV-Stable – excellent resistance to sunlight.
- Non-yellowing – no discoloration even in light contact areas.
- Low color – ideal for light and white stones.
- High tensile strength – strong and reliable bonding.
- Fast curing – quick processing and handling time.
- Good stability – maintains bond integrity over time.
- Low shrinkage – minimal tension within the bonding joint.
- Transparent & colorless – aesthetic finish.
- Cures at low temperatures – as low as 20°F (-6°C).
- Excellent UV color stability – maintains original surface tone.

## APPLICATION AREAS

StoneLock PU-E is mainly used in the stone-working industry for bonding natural stone, engineered stone, terrazzo, and concrete. Its non-yellowing formula makes it suitable for very light-colored or white natural stone. It can also bond plastics, paper, wood, glass, and other materials with excellent results. Suitable for thin bonding applications and precision work.

## INSTRUCTIONS FOR USE

- 1 **Surface Preparation:** Ensure surfaces are clean, dry, and free of dust, dirt, grease, and other contaminants. Smooth surfaces should be slightly roughened.
- 2 **Mixing Ratio:**
  - By volume: Component A (Hardener) : Component B (Resin) = 2 : 3
  - By weight: Component A : Component B = 1 : 1.39

The mixing ratio must be strictly followed. A surplus of Component B may slowly result in yellowing.
- 3 **Mixing:** Blend both components thoroughly until a uniform mixture is achieved.
- 4 **Application:** Apply the mixture evenly to the bonding area. Pot life at 20°C is approx. 15–20 minutes.
- 5 **Curing:**
  - After 3 hours at 20°C, bonded parts can be moved.
  - After 8 hours, the product can be further processed.

Full mechanical stability after 7 days.
- 6 **Cleaning Tools:** Clean immediately after use with MEK, acetone, or other suitable solvents. Once cured, the product can only be removed mechanically.
- 7 **Temperature Effects:** Warm conditions accelerate curing; cold conditions slow it down.

## TECHNICAL INFORMATION

### Hardener (Component A)

<b>Viscosity</b>	750±100 cps @ 25°C		
<b>Color</b>	Clear-hazy liquid	<b>Aspect</b>	≈ 40
<b>Density</b>	1.15	<b>Shelf Life</b>	12 months

### Resin (Component B)

<b>Viscosity</b>	800 - 2000 cps @ 25°C		
<b>Color</b>	Clear-hazy liquid	<b>Aspect</b>	≈ 250
<b>Density</b>	1.07	<b>Shelf Life</b>	12 months

- Mixing ratio Hardener
- Resin by volume : 2 : 3
- Mixing ratio Hardener
- Resin by weight : 1 : 1.39
- Time to polish : 24 hours
- VOC : 0
- Solid Content : 100%
- Pot life : 15 minutes
- Gel Time : 20 – 30 minutes
- Tack free : 45 – 50 minutes
- Tensile strength : 3500 – 4500
- Tensile Elongation : 2.5 – 5
- Tear strength : 350 – 550
- Hardness : 70 – 75 shore D
- Tabor Abrasion : 15 – 20
- Color : colorless, opaque

## SPECIAL NOTICE

- Do not use at temperatures below 5°C.
- Optimal properties are achieved only by following the exact mixing ratios.
- Excess Component B may slowly cause yellowing.
- Humidity during application may result in bubbles and reduced stability.
- Not suitable for permanent wet conditions.
- Avoid continuous exposure to temperatures above 60°C. Short-term exposure up to 100°C is possible.

## PACKAGING

750ml | 500ml

## TECHNICAL SUPPORT

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