



GLAZE PLUS

TECHNICAL DATA SHEET

EPO-TECH 9090:9096 GEL ADHESIVE 1-1 RATIO

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1 – DESCRIPTION

EPO-TECH (9090:9096) 1:1 RATIO is multipurpose epoxy based, moisture tolerant structural adhesive with extra clear transparent look with 1:1 mixing ratio. It features high bonding strength and bearing capacity with molecular flex and toughness. It is ideal for freeze/thaw conditions and can withstand vibration and shock load during transportation. It is easy to use.

Suitable for filling, bonding, reinforcing, repairing and sealing. It has excellent chemical resistance. 100% UV resistant with non-yellowing feature. Suitable for horizontal and vertical applications.

2 – PROPERTIES

APPEARANCE:	GEL
BASE:	EPOXY
AVAILABLE COLORS:	ICE TRANSPARENT
APPLICATION AREA:	INDOOR & OUTDOOR
MIX RATIO:	1:1
GEL TIME (25°C):	45 MINUTES
FULL CURE TIME (25°C):	24 HOURS

3 – PRODUCT USAGE

Grind the surface to be glued with hard grinding paper and remove any dust, moisture and oil from the surface. The surface to be treated must be clean and completely dry.

Take required amount of stone glue (A) and mix it with hardener paste (B) until a homogeneous shade of color is achieved with 1A:1B mixing ratio. Close the cap of unused part of the adhesive immediately.

In 45-55 minutes it will be set. Hardening process is accelerated by heat and delayed by cold.

4 – USAGE AREA

Granit- Marble - Quartz - Ceramic - Composite Stone - Natural Stone - Sintered stone - Metal – Glass

5 – APPLICATION AREAS

- Bonding of natural stones like marble, travertine etc.
- Bonding of surfaces like concrete, granite, tile and wood.

6 - INSTRUCTIONS

- Before the application the surface must be free of grease, moist and dirt.
- Mix the adhesive and hardener by the ratio of 100% - 100% adhesive and 100% - 100% hardener and apply it to the surface to be filled or bonded.
- The mixture can be only used for 2-3 minutes at 20°C.
- The applied surface is ready to use after full cure (15-35 minutes at 20°C).
- The curing rate is changeable according the temperature.

7- PACKAGING

Product	Weight	Package
EPO-TECH (9090 + 9096) 1:1	2Kg	6+6=12

8- STORAGE AND SHELF LIFE

The product has a shelf life of 24 months if stored in areas cool, dry and away from direct sunlight at 18-25°C in its original package.

9- RESTRICTIONS

- At wall mounting: Use wire and/or metal fasteners with the applications higher than 2.5 m.
- Do not use the spatula on the main adhesive that is used with the hardener.
- If a color paste will be used to change the color of the adhesive, it must be used before the hardener.
- Increasing the hardener amount in the mixture, increases the curing rate with the cost of bonding power.
- Usage of excess color paste may result with adhesive failure.
- Always close the cover after application.
- The color of the adhesive may be affected by the sunlight.

10- SAFETY

Avoid from eyes. Must be stored away from children. Comply with the directives in latest Safety Data Sheet.

11- TECHNICAL PROPERTIES

Density	: $1.85 \pm 0.02 \text{ gr/cm}^3$
Viscosity	: (25 °C 20 rpm) 200000-350000 cps
Color	: Bej
Type	: Solvent based
The amount of hardener in the mixture	: %2-3
Mixing time	: $\approx 1 \text{ min.}$
Curing Time	: 2-3 min. (at 20°C with %2-3 hardener)
Maximum temperature during reaction	: 110-115 °C
Min. Use temperature	: -5°C
Max. Temperature resistance after curing	: 100°C
Maximum force	: 600 – 750 kgf.
Maximum elongation	: 2.4 – 2.8 Δ/mm
Maximum tension	: 0.3 kg /mm ²
Tensile strength	: 740 kgf
Force of elongation at break	: 2.5 Δ/mm
Elongation at break	: 5 %
Mixture time	: $\approx 1 \text{ min.}$