

Polyglaze®

PZ EP GEL KIT



PRODUCT DESCRIPTION

Polyglaze PZ EP Gel Kit is a two-component, epoxy based adhesive gel used for bonding and filling gaps of natural stone, artificial stone and building materials. It is especially useful for vertical and overhead areas because of its high thixotropic consistency. Its non-yellowing formula makes it ideal for light colored and white stones, especially in aesthetic applications.

AREAS OF APPLICATION

- ◆ All types of natural stones and tiles

ADVANTAGES

- ◆ Neutral colour : blends with all stones
- ◆ Non-yellowing : maintains colour over time
- ◆ High creeping strength : resists sagging on vertical surface
- ◆ Very low shrinkage after curing
- ◆ Excellent adhesion
- ◆ Easily pigmented
- ◆ Good weather and thermal stability

APPLICATION METHODOLOGY

Surface Preparation

- ◆ Remove any loose particles, debris and dust from the surface
- ◆ Ensure the surface is sound, clean and dry
- ◆ Lightly sand with fine-grit sandpaper and clean off dust for better bonding

Mixing

- ◆ Mix Part A (Resin) and Part B (Hardener) in 2:1 ratio by weight
- ◆ Prepare only the quantity of material that can be consumed within the pot life of 20 minutes
- ◆ Mix thoroughly for 2 - 3 minutes until lump - free paste is achieved

Application / Grouting

- ◆ Apply mixed material within pot life using a rubber trowel / spatula or any other suitable tool
- ◆ Press firmly into joints or voids for full contact and adhesion
- ◆ Recommended for filling gaps upto 25mm
- ◆ Remove any excess material before it cures

Cleaning

- ◆ Residues of Polyglaze PZ EP Gel Kit should be cleaned from tools and coated surfaces using acetone while the epoxy coat is still fresh

Curing

- ◆ Allow the coating to cure for at least 24 - 48 hours under normal weather conditions
- ◆ Do not expose the surface to water or moisture during the product setting time

PACKAGING

- ◆ Polyglaze PZ EP Gel Kit is available in 2.25kg kits
Part A (Resin): 1.5kg
Part B (Hardener): 0.75kg

STORAGE & SHELF LIFE

- ◆ Store in a dry place away from moisture and sunlight
- ◆ 24 months from the date of manufacture in unopened sealed condition

PRECAUTIONS & LIMITATIONS

- ◆ Avoid using in area where surface temperature is high / areas exposed to direct sunlight during application
- ◆ Not compatible with strong acids or bases
- ◆ Avoid use in extremely low temperatures and rainy conditions
- ◆ Wear hand gloves during application
- ◆ Clean the tools immediately after use

PHYSICAL PROPERTIES

Physical Appearance	Part A (Resin): Transparent, Part B (Hardener): Transparent
Mix Density	1.15 g / ml
Application Temperature	10°C to 35°C
Pot Life	Approx. 20 minutes
Setting Time	4 - 6 Hours
Foot Traffic	24 hours
Full Cure	7 Days

PERFORMANCE PROPERTIES

PROPERTIES	STANDARD	PZ EP GEL KIT
Compressive strength	ASTM C579	> 60 N/mm ²
Tensile strength	ASTM C307	> 30 N/mm ²

COVERAGE

- ◆ Approx. 0.6 - 0.8 m² / kg @ 1mm thickness
- ◆ Coverage will vary depending on the weather conditions, porosity, smoothness of the surface and application thickness

HEALTH & SAFETY

- ◆ Use a respiratory mask and protective gloves during application.
- ◆ Clean hands with soap and water after application.
- ◆ Avoid contact with skin / eyes. In case of unlikely contact, rinse eyes immediately with plenty of clean water and cleanse skin with soap and lukewarm water. Seek medical advice if irritation occurs / persists.
- ◆ In case of unlikely swallowing, seek medical attention immediately.

Disclaimer:

The information in this TDS is for general guidance only. Specific advice for site conditions is available upon request. Details provided by the company are in good faith, when product is properly stored, handled, and applied under normal conditions. The site conditions, material compatibility, and workmanship are beyond our control, no warranties expressed or implied are given. The company accepts no liability for unsatisfactory results or consequential damages arising from product use.



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