

TECHNICAL DATA SHEET (TDS)

MULTIFIX GEL Clear Stone Gel

1. PRODUCT DESCRIPTION

MULTIFIX GEL is a neutral-coloured, two-component, UV-stabilized, knife-grade resin gel formulated from unsaturated polyester resin. It is designed for reliable filling, repairing and bonding of natural and engineered stone surfaces. The product provides fast setting, strong adhesion and excellent colour stability for professional stone fabrication and installation applications.

2. PACKAGING

MULTIFIX GEL is supplied in 1 kg metal tins.

3. SHELF LIFE & STORAGE

MULTIFIX GEL has a shelf life of 12 months when stored in the original, tightly sealed container under cool and dry conditions. Keep away from direct sunlight, excessive heat and moisture.

4. INSTRUCTIONS FOR USE

- Lightly abrade the application area to improve surface adhesion.
- Clean the surface thoroughly with soap and water and remove all contaminants.
- Ensure the surface is completely dry before application.
- For colour matching, MULTIFIX GEL may be tinted using suitable Unicstone Tints. Recommended tint loading is 3–5% by weight.
- Add 1–4 g of hardener paste to 100 g of resin, depending on the required curing speed and ambient temperature.
- Mix the resin and hardener thoroughly until a uniform consistency is achieved.
- The prepared mixture remains workable for approximately 5–10 minutes, depending on temperature and hardener dosage.
- The treated area can generally be further processed after approximately 60 minutes.
- Higher temperatures accelerate curing, while lower temperatures slow down the hardening process.
- Clean application tools immediately after use with a suitable Unicstone Poxo Remover.

5. SPECIAL FEATURES

- Neutral, clear appearance
- Fast setting and curing
- Excellent colour stability
- Tinting compatible
- Strong adhesion to stone surfaces
- Smooth, knife-grade consistency
- Suitable for natural and engineered stones
- UV-stabilized formulation

6. TECHNICAL INFORMATION

Tensile Strength	: 55–65 Mpa
Bending Strength	: 75–85 Mpa
Density	: 1.18 g/cm ³
Hardness	: 80+ Shore D

7. WORKING TIME AT 30°C

1% Hardener	: 14–15 min
2% Hardener	: 10–11 min
3% Hardener	: 8–9 min
4% Hardener	: 5–6 min

8. PRECAUTIONS

- Wear suitable protective gloves while handling and applying the product.
- Do not exceed 4% hardener, as excessive hardener may adversely affect surface drying and final hardness.
- Using less than 1% hardener, particularly at low temperatures, can considerably prolong the curing process.
- Keep the bonding layer as thin as practical, preferably below 2 mm, to minimize shrinkage caused by the high reactivity of MULTIFIX GEL.
- For larger holes and cavities, use the minimum practical quantity of hardener to control curing and shrinkage.
- The bonding surfaces must be free from moisture, frost, dust, oil and other contaminants, as these may adversely affect adhesion and curing.
- Once fully cured, the material can generally be removed only by mechanical means or exposure to temperatures above 200°C.
- Always follow recommended mixing ratios and application procedures for optimum performance.

Manufactured For & Marketed By:

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