

# TECHNICAL DATA SHEET (TDS)

## UNIMAX ULTRA

### Adhesive, Joint & Surface Filler

#### 1. PRODUCT DESCRIPTION

UNIMAX ULTRA is a low-viscosity, two-component epoxy resin system with modified amine hardener, designed for effective filling of cracks, fissures and large pores in natural and engineered stones.

#### 2. SPECIAL FEATURES

- Low viscosity & deep penetration
- Fast and reliable curing
- Excellent filling performance
- Strong adhesion
- Solvent-free formulation
- Weather resistant
- Excellent grinding & polishing properties
- Improves surface strength and finish

#### 3. ADVANTAGES

- Deep penetration into fine cracks and pores
- Enhances surface integrity
- Good mechanical strength
- Easy application and finishing
- Suitable for stone repair and restoration
- Compatible with natural and engineered stone fissure

#### 4. APPLICATION AREA

- Natural & engineered stones
- Building materials
- Cracks, fissures & large pores
- Stone repair and restoration
- Fiber reinforcement

#### 5. PACKAGING

3 kg Set — 2 kg Resin + 1 kg Hardener

#### 6. STORAGE & SHELF LIFE

12 months when stored in the original sealed container in a cool, dry place, away from direct sunlight and moisture.

#### 7. APPLICATION PROCEDURE

- Surface must be clean, dry and free from dust, oil and contaminants.
- Pre-warming the surface to approximately 60–70°C can improve penetration.
- Mix 2 parts Resin : 1 part Hardener by weight.
- Mix thoroughly until a uniform mixture is obtained.
- Apply using a suitable spreader or application tool.
- Allow sufficient curing time before grinding, polishing or further processing.
- Clean tools with Unicstone Poxy Remover.

#### 8. PRECAUTIONS & HINTS

- Always maintain the 2:1 Resin-to-Hardener ratio for optimum performance.
- Incorrect mixing ratios may cause softening, incomplete curing or discoloration.
- A patch test is recommended, especially on coloured or porous stones.
- Wear protective gloves during handling and application.
- Use separate tools for Resin and Hardener.
- Do not use resin if it has gelled or thickened.
- Do not apply below 15°C, as curing may be delayed.
- Prolonged exposure of cured material above 70°C may cause yellowing.
- Fully hardened material can be removed mechanically or with extreme heat above 200°C.
- Consult Unicstone technical staff for application-specific requirements.

Manufactured For & Marketed By:

**UNICSTONE**

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