



UNI EN ISO 9001:2008  
Quality System Certified Company



## TECHNICAL DATA SHEET PRODUCT

# EPOXY 4+1 FLUID

### TRANSPARENT EPOXY ADHESIVE OF SLOW HARDENING TIME for CONSOLIDATING and RESTRUCTURING MICROCRACKS and MICROSLITS

Two-component epoxy adhesive, transparent. Formulated for the consolidating and restructuring of micro-cracks of any type of marble, granite, natural and artificial stone, ceramics. Its negligible shrinkage allows the repair of deep cracks. Formulation of slow hardening time for deeper penetration.

#### FIELD OF USE

For all types of stone and ceramic materials, both natural and synthetic

#### PROPERTIES

- Excellent adhesion
- High transparency
- Weather and acid rain resistant
- Resistant to solvents, basic (therefore suitable to concrete) and acid environment
- Negligible yellowing
- High stability to UV rays
- Almost no shrinkage
- Practically odourless
- Also suitable for application of fiberglass net for reinforcing the materials.

#### WARNING

- Avoid the use at temperatures below 10°C/50°F
- It doesn't adhere to silicon
- It doesn't adhere to polyethylene

#### HOW TO USE

**PREPARING THE SURFACE.** Carefully clean the surfaces by removing any dust and loose parts, traces of cement, plaster, oil or fats, etc. Better adhesion if the support is slightly roughened..

**PREPARING THE MIXTURE.** Mix thoroughly component A and component B exactly in the ratio indicated A:B=100:25 until the complete homogenization.

**APPLICATION.** Apply the mixed product on the clean and dry surface with a spatula / putty knife.

After 12 to 15 hours it's possible the displacement of the piece and after 24-48 hours (depending on environment condition, temperature, humidity, etc.) you can proceed to subsequent processes.

#### IMPORTANT

- Do not use the mixture A + B if already in the process of gelation
- Do not return the unused product in the can/ container
- Store at temperatures between 10°C and 30°C / 50°F and 86°F
- The hardening is more rapid at higher temperatures and slower at low temperatures

#### MIXING RATIO

Component A : Component B = 100 : 25



## PACHAGING

Set A+B of **1,250 kg.** (Component **A = kg. 1,000** - Component **B = kg. 0,250**)

Set A+B of **5,000 kg.** (Component **A = kg. 4,000** - Component **B = kg. 1,000**)

## STABILITY

When kept in its original can sealed and intact, and stored in a dry place at temperature of 15°C-25°C/ 59°F-77°F, the product remains stable at least 12 months.

## TECHNICAL DATA

|                               | <b>componente A</b>          | <b>componente B</b>           |
|-------------------------------|------------------------------|-------------------------------|
| <b>Physical state</b>         | liquid                       | liquid                        |
| <b>Color</b>                  | transparent                  | transparent                   |
| <b>Odor</b>                   | characteristic (slight)      | characteristic (slight)       |
| <b>Density at 20°C/68°F</b>   | 1,06± 0,05 g/cm <sup>3</sup> | 0,98 ± 0,05 g/cm <sup>3</sup> |
| <b>Viscosity at 25°C/77°F</b> | 300 - 450 cPs                | 30 - 70 cPs                   |
| <b>Toxicity</b>               | irritant                     | corrosive                     |
| <b>Flammability</b>           | no                           | no                            |

## DATA REFERRED TO THE MIXTURE A+B

|  |   |
|--|---|
| <b>Catalysis ratio</b>   | A : B = 100 : 25  |
| <b>Appearance of the texture</b>                                       | viscous liquid  |
| <b>Time of workability (A=200 g. + B=100 g.)</b>                       | 20 - 25 minutes at 20°C /68°F                                 |
| <b>Rectivity time</b> in thin layer (superficial hardening)            | 6 to 6½ hours (at 25°C/77°F)<br>2½ to 3 hours (at 40°C/104°F) |
| <b>Viscosity of the mixture</b>  | 250 - 350 cPs   |
| <b>Piece handling time</b> (after application at room temp. 25°C/77°F) | > 12 hours  |
| <b>Piece processing start time</b>                                     | after 24 to 48 hours  |

**LIMITATION OF LIABILITY** The data provided derive from published information or from our own laboratory tests. The information provided here must be considered as a guideline and not as any form of performance guarantee. Liability for defective products, when verified, is limited to refund of the purchase price since application of the product is beyond the control of the manufacturer or supplier.

**TESTING A SMALL, HIDDEN, AREA IS RECOMMENDED BEFORE THE APPLICATION**