



UNI EN ISO 9001:2008  
Quality System Certified Company



## TECHNICAL DATA SHEET PRODUCT

# EPOXY GLASS

### EPOXY ADHESIVE, TRANSPARENT, "glass effect" without added solvents

Bi-component epoxy adhesive, tixotropic, transparent and practically odourless. Formulated for the permanent bonding of granites and marbles, also of very light colours, it is suitable for bonding any kind of natural or engineered stone also to heterogeneous materials as it performs a good and very good adhesion on wood, metal, glass, concrete.

After hardening, it is characterized by a very high transparency and vitreous structure.

Adheres even on difficult surfaces or humid materials where the polyester adhesive have poor or null adhesion.

Its tixotropic characteristic makes it suitable for application on vertical surfaces and the negligible shrinkage allows the repair of deep micro-crackings and hollows by only one operation.

#### FIELDS OF USE

Bonding of any kind of stone and ceramic materials, both natural and synthetic, between them or to heterogeneous supports such as metal, wood, glass, concrete:

#### CHARACTERISTICS

- Very good adhesion between different materials and supports
- Adhesion on humid materials
- Very high transparency
- Resistant to the atmospheric agents, acid rains, sea water
- Resistant to the solvents, basic environment (so, suitable for concrete) and acids
- Negligible yellowing
- Almost null shrinkage
- Practically odourless

#### WARNINGS

- Avoid the use and the bonding at temperatures lower than 10°C (50°F)
- It doesn't adhere to silicon
- It doesn't adhere to polyethylene
- It doesn't adhere to teflon
- It doesn't adhere to some plastics

#### HOW TO USE

**PREPARATION OF THE SURFACES.** Clean the surfaces carefully and remove any trace of dust, concrete, gypsum, greasy substances, etc. Better adhesion if the support is slightly roughened.

**PREPARATION OF THE TEXTURE.** Mix carefully the component A and the component B in the exact ratio as indicated A:B=100:50. It is suggested the mixing of small quantity (max. 400-500 grams) to avoid a too much short time of use before the hardening reaction starts.

**APPLICATION.** Apply the obtained texture on the clean and dry support by using a toothed putty knife. In case of application to the iron, it is advisable the iron is sandblasted or anyway roughened.

After 8 to 10 hours it is possible to move the bonded piece and after 24 hours from the application the piece can be eventually grinded/polished

#### IMPORTANT

- Do not use adhesive already in gelling phase
- Do not put again into the can the adhesive not used.
- Store at temperature between 15°C and 25°C (59°F and 77°F)
- The hardening is faster with the high temperatures and slower with the low temperatures

#### MIXING RATIO

Component **A** : Component **B** = **100 : 50**

#### TECHNICAL DATA

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**PACKAGING** Set A+B of **1,5 kg.** net (Component **A = kg. 1,000** Component **B = kg. 0,500**)

**STABILITY** The product kept into the original packing, intact and sealed, and stored in dry place at temperature of 15-25°C (59°F - 77°F), has a stability of 12 months.

### TECHNICAL DATA

|                                       | <b>component A</b>            | <b>component B</b>   |
|---------------------------------------|-------------------------------|--|
| Physical state                        | tixotropic paste              | tixotropic paste   |
| Colour                                | transparent (colourless)      | transparent (colourless)   |
| Odour                                 | characteristic light          | characteristic light   |
| Density at 20°C (68°F)                | 1,20 ± 0,05 g/cm <sup>3</sup> | 1,04 ± 0,05 g/cm <sup>3</sup>  |
| Viscosity at 25°C (77°F)              | 280.000 - 320.000 cPs         | 67.000-70.000 cPs  |
| Toxicity                              | irritant                      | corrosive  |
| Flammability                          | no                            | no   |
| Ratio of catalysis                    |                               | A : B = 100 : 50   |
| Aspect of the texture                 |                               | creamy paste   |
| Workability (A = 100 g. + B = 50 g.)  |                               | 60-70 minutes at 10°C (50°F)<br>20-30 minutes at 20°C (68°F)<br>10-20 minutes at 30°C (86°F) |
| Workability (A = 300 g. + B = 150 g.) |                               | 15-20 minutes at 20°C (68°F)   |
| Hardening time at 20°C ((68°F)        |                               | 4 hours abt.   |
| Catalysis is completed after          |                               | 7 days   |
| Resistance to UVrays                  |                               | No color variation after 48 hours of exposure  |
| Mechanical resistance (on granite)    |                               | cohesive breakage of the stone   |
| Chemical resistance                   | <b>Kind of solution</b>       | <b>Variation in weight</b>   |
|                                       | Sodium hydroxide 10%          | <0,01%   |
|                                       | Hydrochloric acid 10%         | <0,01%   |
|                                       | Gasoline                      | <0,01%   |
|                                       | Olive oil                     | <0,01%   |
|                                       | Sodium chloride 10%           | <0,01%   |

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**ALWAYS EFFECT A PRELIMINARY TEST BEFORE THE APPLICATION**