



UNI EN ISO 9001:2015
Quality System Certified Company



TECHNICAL DATA SHEET PRODUCT

EPOXY 50 MIX EPOXY 400 TRASPARENTE

TRANSPARENT SEMI-SOLID EPOXY ADHESIVE/GLUE in cartridge

- COMPOSITION:** PART **A**: A/F bisphenol thixotropic epoxy resin
PART **B**: (catalyst) thixotropicized polyamines
- USE** Structural adhesive for quick gluing/assembly of materials such as **natural stone, marble, granite, steel, wood, glass, paper**, etc. particularly suitable for **bronze and funerary art**.
- COLOUR** Transparent neutral
- MIXING RATIO** Epoxy glues and adhesives require that the mixing ratio (in weight) between component **A** (resin) and component **B** (catalyst) be exact. In this particular case the ratio is:
PART A : PART B = 100 : 100
(For example: 1 kg of component A mixed together with 1 kg of component B)
The cartridges are prepared so this ratio is already set and automatic.
- PACKAGING** EPOXY 50 MIX cartridge 50 ml. (25 ml. part. A + 25 ml. part B)
EPOXY 400 TRASPARENTE cartridge 400 ml. (200 ml. part. A + 200 ml. part B)
- SURFACE PREPARATION** The pieces/surfaces to be treated must be porous, dry and free of any alien substance.
- MIXING** Resin and catalyst are automatically dosed and mixed inside the special mixer during extrusion from the cartridge
- APPLICATION** Direct with the special mixer. To avoid the plugging of the exit holes of the cartridges because of the hardening of the texture inside the mixer, after ending the application the mixer must be eliminated. This ensures that the remaining resin in the cartridge can be used. *Do not apply at temperature lower than 8°C (46.4°F).*
- THICKNESS** Suggested thickness from 0.2 to 0.6 mm.
- CONSUMPTION** 250 to 700 g/m²
- POLYMERIZATION** The polymerization rate increases as the temperature increases. In no case should the temperature be lower than 8°C (46.4°F).
- HARDENING** at 25°C (77°F) 25-30 minutes in mass; 80-120 minutes when applied in a thin layer
- WORKABILITY** Estimated time in which the product can be worked: 4-6 minutes
- NOTE** Do not store at temperature lower than 10°C (50°F) or higher than 35°C (95°F)
The product **CANNOT STAND THE FROST**
WARNING! The prolonged exposure to UV rays causes the alteration of the initial colour of the product. The product is suitable for gluing/bonding and not for visible grouting, especially outdoors
- SHRINKAGE** Shrinkage coefficient 0,3%
- REMARKS** Epoxy adhesives adhere well, even on slightly damp surfaces. The low shrinkage ratio (0.1-0.5%) creates only limited stresses both during and after hardening, thus achieving greater stability between the glue and the material. Once cured, the resistance of these adhesives to freezing and water make them ideal for outdoor applications. Nevertheless, extensive exposure to direct sunlight can yellow the resin. Thanks to the great flexibility of this adhesive, different materials such as concrete, steel, wood, many plastics, natural and artificial stone can be glued together, even in alternating layers.
- LIMITED LIABILITY** The information supplied has been taken from the bibliography and from our laboratory experience and is to be understood as general indication and not as formal guarantee. In particular, the liability for defective products, when ascertained, is limited to the product purchase price. The manufacturer cannot be held responsible for any implicit or explicit damages due to use of the product which remains beyond our direct control.

A PRELIMINARY TEST IS ALWAYS RECOMMENDED BEFORE THE APPLICATION