



UNI EN ISO 9001:2015
Quality System Certified Company



TECHNICAL DATA SHEET
PRODUCT

EPOXY GLASS

**EPOXY ADHESIVE, THIXOTROPIC
COLOURLESS, TRANSPARENT MAT
without added solvents**

Bi-component epoxy adhesive, thixotropic, colourless transparent mat, practically odourless. Formulated for the permanent bonding of granites and marbles, 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 its high vitreous structure.

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

Its thixotropic characteristic makes it suitable for application on vertical surfaces and the negligible shrinkage allows the repair of deep micro-cracking 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
 - High resistance to the atmospheric agents, acid rains, sea water
 - High resistance to the solvents, basic environment (so, suitable for concrete) and acids
 - Almost null shrinkage
 - Practically odourless

- WARNINGS**
- avoid the use and the bonding at temperatures lower than 10°C (50°F). It cannot stand the frost
 - 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
 - use tools perfectly clean and not contaminated by other substances (rusty knives/spatula, etc.)
 - the action of the sunrays and of sources of UV rays may be cause of yellowing or opacification of the products

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

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	Part A : part B = 100 : 50
PACKAGING	Set A+B of 1,5 kg. net (Part A = kg. 1,000 Part 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

	Part A	part B
Physical state	thixotropic paste	thixotropic paste
Odour	characteristic (light)	characteristic (light)
Density at 20°C (68°F)	1,20 ± 0,05 g/cm ³	1,04 ± 0,05 g/cm ³
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 (mixing ratio)	Part A : Part B = 100 : 50	
Aspect of the texture	creamy paste	
Workability (comp. A = 100 g. + comp. B = 50 g.)	60-70 minutes at 10°C (50°F) 20-30 minutes at 20°C (68°F) 10-20 minutes at 30°C (86°F)	
Workability (part A = 300 g. + part 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	
Mechanical resistance (on granite)	cohesive breakage of the stone	
Chemical resistance	solution	Variation in weight
	Sodium hydroxide 10%	<0,01%
	Hydrochloric acid 10%	<0,01%
	Gasoline	<0,01%
	Olive oil	<0,01%
	Sodium chloride 10%	<0,01%

LIMITED LIABILITY The information provided derives from bibliography or from our laboratory experience and should be understood as broad indications and not as a formal guarantee. In particular, the liability for defective products, once the defect has been ascertained, is limited to the product purchase price only. We do not undertake any liability for implicit or explicit damage due to use of the product beyond our direct control.

ALWAYS EFFECT A PRELIMINARY TEST BEFORE THE APPLICATION