



Quality System Certified Company
UNI EN ISO 9001:2015



TECHNICAL DATA SHEET PRODUCT

EPOXY 75 HYBRID

**EPOXY-POLYURETHANE ADHESIVE
of fast polymerization
for marble, granite, natural & engineered stones, ceramic products,
building materials and wood.**

Bi-component thixotropic epoxy-polyurethane hybrid adhesive of fast polymerisation composed of epoxy-polyurethane resins reinforced with mineral fillers and catalysed by a mixture of amine hardeners. The different coloring of the two components allows a visual control of the homogeneous mixing.

FIELD OF USE

Permanent bonding of **marble, granite, natural and engineered stones, ceramic products, building materials, wood.**

CHARACTERISTICS

- Excellent adhesion
- Fast hardening
- Resistant to solvents, basic environments (therefore suitable for cement/concrete) and acids
- Almost no shrinkage
- Easy to grind and polish

WARNING

- Avoid use at temperatures below 10°C/50°F
- Does not adhere to silicones
- Does not adhere to polyethylene

HOW TO USE

PREPARING THE SURFACE. Carefully clean the surfaces and eliminate all traces of dust and friable parts, traces of cement, gypsum, fatty substances, etc. Better adhesion if the substrate is slightly roughened.

PREPARING THE MIXTURE. Carefully mix the part A and the part B with the ratio indicated A: B = 100: 50 (i.e.: 100 grams of part A and 50 grams of part B) until complete homogenization

APPLICATION. Apply the mixed product on the clean and dry support with a putty knife.

After 3 to 5 hours it is possible to move the bonded pieces and after 12 hours (depending on the environmental conditions, temperature, humidity, etc.) it is possible to proceed with grinding, polishing, piercing, etc..

IMPORTANT

- Do not use the mixture A + B already in phase of gelation
- Do not put back into the can the unused product
- Store at temperatures between 10°C/50°F and 30°C/86°F
- The hardening becomes faster at high temperatures and slower at low temperatures
- Prolonged exposure to UV rays alters the initial color of the product.
- The product is suitable for bonding and not for visible grouting, specially outdoors.

MIXING RATIO in weight

Part A : Part B = 100 : 50

STABILITY

The product kept into the original sealed packaging, and stored in a dry place at temperature of 15°C-25°C/59°F-77°F, has a stability of at least 12 months. Protect from frost



PACKAGING

set A+B of total 2,700 kg. (part A: 1,800 kg + part B: 0,900 kg.)

TECHNICAL DATA

	part A	part B
Physical state	soft paste	soft paste
Colour	grey	white
Odour	characteristic (light)	characteristic (light)
Density at 20°C/68°F	1,40 ± 0,05 g/cm ³	1,50 ± 0,05 g/cm ³
Toxicity	irritant	corrosive
Flammable	no	no

DATA REFERRED TO THE MIXTURE A+B	
Catalysis ratio	A : B = 100 : 50
Appearance of the mixture	Paste of whitish colour
Time of workability (A = 100 g. + B = 50 g.)	5-8 minutes a 25°C/77°F
Gel time in thin layers (superficial hardening)	30 - 60 minutes (a 25°C/77°F) 20 - 30 minutes (a 40°C/104°F)
Time after which the pieces can be moved (after application at room temperature of 25°C/77°F)	>3 hours
Complete polymerization after	1-2 days



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.

IT IS ALWAYS RECOMMENDED A PRELIMINARY TEST BEFORE THE APPLICATION



PART A

EPOXY 75 HYBRID
MARCATURA CE
 DoP N° CPR – IT/M02

 1599	 Industria Chimica General s.r.l. Via Repubblica di San Marino, 8 - 41122 – Modena (Italy) www.generalchemical.it
<p style="text-align: center;">20</p> <p style="text-align: center;">DoP N° CPR – IT/M02</p> <p style="text-align: center;">UNI EN 12004:2017</p> <p style="text-align: center;">EPOXY 75 HYBRID</p> <p style="text-align: center;"><i>Improved reactive adhesive for ceramic tiles for indoor and outdoor use wall and floor</i></p>	
<p>Reaction to fire</p> <p>Force adhesion as:</p> <ul style="list-style-type: none"> - Initial shear adhesion <p>Durability for:</p> <ul style="list-style-type: none"> - Shear adhesion after thermal shock - Shear adhesion after immersion in water <p>Release of dangerous substances</p>	<p style="text-align: right;">Class E (CWFT)</p> <p style="text-align: right;">≥ 2,0 N/mm²</p> <p style="text-align: right;">≥ 2,0 N/mm²</p> <p style="text-align: right;">≥ 2,0 N/mm²</p> <p style="text-align: right;">see SDS</p>

PART B

 1599	<p style="text-align: center;">UNI EN 12004:2017</p> <p style="text-align: center;">The complete CE marking is printed on the on the packaging of EPOXY 75 HYBRID part A</p>
---	--