



UNI EN ISO 9001:2015
Quality System Certified Company



TECHNICAL DATA SHEET PRODUCT

EPOXY REGULAR

THIXOTROPIC EPOXY ADHESIVE for Natural-Engineered Stone and Ceramic tiles

Rev.1 – January 22'

COMPOSITION

PART A: Thixotropized epoxy resin (molecular weight >700) with fillers and pigments,

PART B: Mixture of cycloaliphatic amine, polyamide and tertiary thixotropized amine fed catalyzing agents with fillers and pigments

USE

Permanent bonding of granite, marble, natural and engineered stones, ceramic between them or with other supports (terracotta, concrete, etc.)

MIXING RATIO

Epoxy adhesives require exact mixing ratio, in weight, between component A (resin) and component B (catalyst). In the particular case the ratio is:

$$\text{PART A : PART B} = 100 : 100$$

(i.e.: 100 gr. of part A mixed with 100 gr. of part B)

SURFACE PREPARATION

Surface to be treated/glued to be porous, clean, dry and free from dust, grease or any other extraneous substances.

MIXING

Mix the components as indicated in MIXING RATIO section until completely blended.

The two components (A+B) must be carefully mixed to obtain catalytic homogeneity

PACKAGING

set A+B of 250 ml. or 1 L. or 2 L. (3 kg.) - set A+B of 10 kg. or 20 kg.

Available colours (White,Black,Grey Beige and and colours on request)

APPLICATION

With putty knife or spreading. Do not apply at temperature lower than +10°C (50°F)

Suggested temperature of application between +10°C / 50°F and +30°C / 86°F

THICKNESS

Recommended 0,2 to 1 mm

CONSUMPTION

250 to 700 gr/m²

POLYMERISATION

The rate of reaction increases with the temperature, which should never be lower than +10°C (50°F)

HARDENING

6 to 12 hours according to environmental conditions (temperature, humidity, etc.). Catalysis completed after 24 hours.

TECHNICAL DATA

see page 2

NOTE

Based on data reported, workability time is considered to be 30 to 35 minutes

Do not store at temperature lower than +10°C (50°F) and higher than +35°C(95°F).

Protect from frost the stored cans/tins

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

Technical Data Sheet: EPOXY REGULAR

page 1 of 3

INDUSTRIA CHIMICA GENERAL S.r.l. - Via Repubblica S. Marino, 8 - 41122 MODENA, ITALY

tel. (+39) 059.450.991 / 059.450.978 fax (+39) 059.450.615 www.generalchemical.it e-mail: mail@generalchemical.it
Factory # 1: Via Repubblica S. Marino, 8 - 41122 Modena Factory # 2: Via Uralita, 7 - Loc. Zerbinato - 44012 Bondeno (FE)



SHRINKAGE

0,3% abt.

TECHNICAL DATA ***

PROPERTIES'	value	unit	
INORGANIC FILLERS	48	%	
DENSITY	1,5	g/cm ³	
FLEXURAL STRENGTH	60	MPa	
TENSILE STRENGTH	45	MPa	
MODULUS OF ELASTICITY	>10000	MPa	
COMPRESSION STRENGTH	90	MPa	
SHOCK RESISTANCE	3,8	KJ/m ²	
RESILIENCE	1,1	KJ/m ²	
HEAT DIMENSIONAL STABILITY (Martens method)	70 (158)	°C (°F)	
LONGITUDINAL EXPANSION RATIO	70	10 ⁻⁶ K ⁻¹	
LOSS IN WEIGHT (7 days at 100°C [212°F])	0,3	%	
WATER ABSORPTION	0,04	%	
EPOXY REGULAR part A viscosity	700000 / 760000	cP	at 20°C
EPOXY REGULAR part B viscosity	480000 / 530000	cP	at 20°C

***data referred to pure resin

NOTE

Epoxy adhesives possess excellent adhesive characteristics even on surfaces that are lightly damp. The low shrinking rate (0,1 to 0,5%) creates very little tension both during and after the hardening process, enabling great stability of the adhesion and the materials. Once cured, the adhesives are absolutely resistant to freezing and water and are therefore recommended for outdoor application; however, prolonged exposure to direct sunlight can cause resin to yellow. Thanks to the very high adhesive flexibility, it is possible to affix a variety of material as concrete, steel, wood, many plastics, and natural and artificial stone in any combination even in alternating rows.

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.

A PRELIMINARY TEST IS ALWAYS RECOMMENDED BEFORE THE APPLICATION




EPOXY REGULAR
MARCATURA CE
DoP N° CPR – IT/M03

PART A

 1599	 Industria Chimica General s.r.l. Via Repubblica di San Marino, 8 - 41122 – Modena (Italy) www.generalchemical.it
<p>20</p> <p>DoP N° CPR – IT/M03</p> <p>UNI EN 12004:2017</p> <p>EPOXY REGULAR</p> <p><i>Improved reactive adhesive for ceramic tiles for indoor and outdoor use wall and floor</i></p>	
Reaction to fire	Class E (CWFT)
Force adhesion as:	
- Initial shear adhesion	≥ 2,0 N/mm ²
Durability for:	
- Shear adhesion after thermal shock	≥ 2,0 N/mm ²
- Shear adhesion after immersion in water	≥ 2,0 N/mm ²
Release of dangerous substances	see SDS

PART B

 1599	<p>UNI EN 12004:2017</p> <p>The complete CE marking is printed on the on the packaging of EPOXY REGULAR part A</p>
---	--