



UNI EN ISO 9001:2015
Quality System Certified Company



TECHNICAL DATA SHEET
PRODUCT

EPOXY EXTRA

THIXOTROPIC EPOXY ADHESIVE

COMPOSITION

COMPONENT A: Thixotropic epoxy resin (molecular weight >700) with fillers and pigments,
COMPONENT B: Mixture of cycloaliphatic amines, polyamide and tertiary thixotropic amines, catalysis agents, mineral fillers and pigments

USE

For fixing marble and natural stone to each other or to other materials (metals, cement, concrete, etc.)

COLOUR

Beige (other colour under request)

MIXING RATIO

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

PART A : PART B = 100 : 50
(i.e.: 100 gr. of part A mixed with 50 gr. of part B)

MIXING

Mix the quantities as indicated in MIXING RATIO section until completely blended.
The two components (A+B) must be mixed accurately to obtain catalytic homogeneity

PACKAGING

part A in 1 kg. metal tin; part B in 0,500 kg. metal tin
or bigger metal cans

SURFACE PREPARATION

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

APPLICATION

With putty knife or spreading

APPLICATION TEMPERATURE

Do not apply at temperature lower than +10°C (50°F)
Suggested application temperature between +10°C/50°F and +30°C/86°F

THICKNESS

The best adhesive characteristics are obtained with thicknesses of adhesive from 0.3 to 1.0 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 at 25°C (77°F)

70 minutes in mass, 220 minutes in thin coat (applied).

TECHNICAL DATA

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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*

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	%

Above data refer to the resin

REMARKS

Epoxy adhesives have 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