



Quality System Certified  
Company  
UNI EN ISO 9001:2015

## TECHNICAL DATA SHEET

PRODUCT

# EPOXY 115 MULTIBONDING

**BI-COMPONENT, STRUCTURAL, EPOXY ADHESIVE  
for building materials, bricks, ceramics, natural stones, wood, metals**

Bi-component, liquid epoxy adhesive, specially formulated for application on rigid and porous materials, for permanent and stable bonding.

It is composed by epoxy resins reinforced with mineral fillers and catalyzed by amine hardeners.

Once hardened, the system keep good characteristics of elasticity that allow the adhesion also of support of different nature (stone to metal, ceramics to wood, ceramics to metal, etc.)

### FIELD OF USE

Bonding of **building materials, cement, marble, granite, natural stones, ceramic products, wood, metals** between them or to other supports.

### CHARACTERISTICS

- Very good adhesion
- Resistant to atmospheric agents and acid rains
- Almost null shrinkage
- Practically odorless

### ATTENTION

- Avoid to use at temperature lower than 10°C / 50°F
- Does not adhere to silicon
- Does not adhere to Polyethylene

### HOW TO USE

**PREPARING THE SURFACE.** Thoroughly clean the surfaces eliminating all traces of dust and loose parts, traces of cement, gypsum, grease, etc. Better adhesion if the substrate is slightly roughened.

**PREPARING THE MIXTURE.** Mix carefully, using mechanical equipment, component A and component B exactly in the ratio indicated, that is A:B = 100:15, until complete homogenization of the mixture

**APPLICATION.** Apply the product mixed on the clean and dry substrate by using a spatula

After 10 - 12 hours it is possible to move the treated piece and after 24-48 hours (according to environment conditions, temperature, humidity, etc..) it is possible to proceed with the subsequent processing.

Already pre-dosed package

### IMPORTANT

- Do not use the mixture A+B already in the gelling phase
- Never put the unused product/mixture back into the can
- Store at temperatures between 10°C and 30°C (10°F and 86°F)
- The hardening becomes faster at high temperatures and slower at low temperatures

**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

### MIXING RATIO by weight

Componente **A** : Componente **B** = **100 : 15**



## STABILITY

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

## PACKAGING

set A+B of total 10 kgs. (8,700 kgs. component A + 1,300 kgs. componente B)

## TECHNICAL DATA

	component A	component B
<b>Physical state</b>	soft paste	soft paste
<b>Color</b>	White	Straw yellow
<b>Odour</b>	characteristic (light)	characteristic (light)
<b>Density at 20°C / 68°F</b>	1,80 ± 0,05 g/cm <sup>3</sup>	1,70 ± 0,05 g/cm <sup>3</sup>
<b>Toxicity</b>	irritant	corrosive
<b>Flammability</b>	no	no

  

<b>DATA CONCERNED THE MIXTURE A+B</b>		
<b>Catalysis ratio</b>	A : B = 100 : 15	
<b>Appearance of the mixtures</b>	Verticale paste	
<b>Working time (200 g. of comp. A + 30 g. of comp. B)</b>	15-20 minutes at 25°C/77°F	
<b>Time of reactivity in thin layer</b> (superficial hardening)	3 - 4 hours	(at 25°C/77°F)
	1 - 1½ hours	(at 40°C/104°F)
<b>Handling time of the pieces</b> (after application at room temperature of 25°C/77°F)	> 10 hours	
<b>Time of complete polymerisation</b>	2 - 4 days	

## A PRELIMINARY TEST ALWAYS IS RECOMMENDED BEFORE THE APPLICATION

**LIMITED 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 the application of the product is beyond the control of the manufacturer or supplier.



## PART A

EPOXY 115 MULTIBONDING

**MARCATURA CE**  
DoP N° CPR – IT/M03



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DoP N° CPR – IT/M03

UNI EN 12004:2017

EPOXY 115 MULTIBONDING

*Improved reactive adhesive for ceramic tiles for indoor and outdoor use  
wall and floor*

Reaction to fire

Class E (CWFT)

Force adhesion as:

- Initial shear adhesion

≥ 2,0 N/mm<sup>2</sup>

Durability for:

- Shear adhesion after thermal shock

≥ 2,0 N/mm<sup>2</sup>

- Shear adhesion after immersion in water

≥ 2,0 N/mm<sup>2</sup>

Release of dangerous substances

see SDS

## PART B



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The complete CE marking is printed on the on  
the packaging of EPOXY 115 MULTIBONDING  
part A