



UNI EN ISO 9001:2015  
Quality System Certified Company



TECHNICAL DATA SHEET  
PRODUCT

## EPOXY SKY

**EPOXY ADHESIVE  
in paste, for building**

Many are the advantages of the adhesive bonding compared to the mechanical bonding. Possibility of bonding/gluing different materials, higher stiffness, loads distribution more even, strengthening of the bonded parts, no holes potentially damaging because of the consequent tension concentration, higher resistance to the fatigue, lower costs of intervention.

Basic properties of this new epoxy formula of General are the **great stability** and the **absolute non-dripping** of the product: the parts bonded by using EPOXY SKY remain immediately fixed in position in vertical walls, too.

### FUNCTION

STRUCTURAL ADHESIVE/GLUE

### LINE

ADHESIVES/GLUES

BUILDING / CIVIL ENGINEERING

### INDICATION

**GLUING:** MARBLE, GRANITE, NATURAL STONES, CERAMIC TILES, SLABS, CEMENT WALLS, BRICKS.

**FILLING / REPAIRING:** BASINS OR TANKS, TUBES, CEMENT COLOUMNS, FIBERGLASS, etc.

### COLOUR

Light beige or eventual other color on request

### MATERIALS

ALL THE STANDARD STONE MATERIALS USED BY BUILDING INDUSTRY: MARBLE, GRANITE, NATURAL STONE, CONCRETE, CEMENT, METALS, CERAMICS.

### PREPARING THE SURFACE

THE SURFACES MUST BE CLEAN, DRY AND WITHOUT TRACES OF GREASY SUBSTANCES; IT IS SUGGESTED A CAREFULLY DEGREASING AND THE MECHANICAL ABRASION TO HAVE A VERY CLEAN SURFACE.

THE SANDBLASTING IS THE BEST METHOD FOR THE DEEP CLEANING AND PREPARATION OF THE SURFACE.

CAREFULLY REMOVE FROM THE SUPPORT ALL THE FRIABLE AND DUSTY PARTS.

THE ACID WASHING OF THE SURFACE, WITH RELATIVE RINSING AND DRYING, INCREASES THE POROSITY OF THE SUPPORT AND IMPROVES THE ADHESION..

### HOW TO USE

MIX CAREFULLY WITH THE RATIO **100:100** THE **PART A** TOGETHER WITH THE **PART B** UNTIL TO OBTAIN A HOMOGENEOUS COLORATION OF THE TEXTURE AND THEN APPLY **WITHIN 20-30 MINUTES**.

**IMPORTANT:** Apply at temperature not lower than **+10°C (50°F)**

Suggested temperature of application between **10°C and 30°C (50°F and 86°F)**

### TEST

Always affect a preliminary test to verify the compatibility of the product with the supports and the effective adhesion degree for the specific conditions.

### STABILITY

KEPT INTO THE ORIGINAL SEALED CONTAINER AND STORED IN DRY PLACE AT TEMPERATURE BETWEEN **+5°C AND +35°C (41°F AND 95°F)**, SHELTERED FROM THE DIRECT SUNRAYS, THE PRODUCT IS STABLE AT LEAST 1 YEAR.

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*



### SETTING TIME

(200 grams of component A +200 grams of component B)

TEMPERATURE	WORKABILITY (minutes)	HARDENING (minutes)
10°C (50°F)	50	330
20°C (68°F)	30	200

The a.m. data refer to the hardening of the product effected into the original can.  
Variations of quantity and thickness have a considerable influence on workability and hardening times.

*NOTE: The total curing is completed in 7 days.*

### TECHNICAL DATA

properties	unit of meas.	Part A	Part B
COLOR		white	beige
VISCOSITY	cPs	4417000	1285000
DENSITY	g/cm <sup>3</sup>	1,45	1,45
MIXING RATIO	<i>by volume</i>	100	100
	<i>by weight</i>	100	100
STORAGE CONDITIONS (INTO THE ORIGINAL SEALED CONTAINERS)	<i>time</i>	months	12
	<i>temperature</i>	°C (°F)	between +10°C and +35°C (50°F and 95°F)

### PHYSICAL-CHEMICAL-MECHANICAL RESISTANCES OF THE HARDENED PRODUCT

(after 7 days from the application)

COMPRESSION STRENGTH	>55 N/mm <sup>2</sup> **
BENDING STRENGTH	>20 N/mm <sup>2</sup> **
TENSILE STRENGTH	2,1 N/mm <sup>2</sup> ** <i>Note : breaking of the support/concrete</i>
EXPANSION COEFFICIENT	10 <sup>-6</sup> K <sup>-1</sup>
CHEMICAL RESISTANCE	water, weak acids and bases, gasoline, oil, grease
TOTAL ADHESION OF EPOXY SKY to	natural stones, metals, bricks, concrete, cement, etc.

\*\* 1 N = 0,100 kilograms

**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.

**ALWAYS EFFECT A PRELIMINARY TEST IN A SMALL AREA BEFORE THE APPLICATION**