

GEMSBOND 4.0

STONE • QUARTZ • CERAMIC



BI-COMPONENT EPOXY GLUE

Net weight: 400ml



TECHNICAL DATA SHEET

PRODUCT INTRODUCTION

GemsBond 4.0 is a bi-component epoxy glue pre-dosed automatically thanks to the cartridge where it is packaged. Part A and Part B are located in two separate pipes, using special nozzle-mixer together with the gun with two pistons, the correct dosage of the components is obtained. Regular polish and matt colors series are available.

FEATURE

- It has high bonding strength, excellent physical properties such as non-sagging, tear/scratch/wear/chemical resistance.
- Quick dry and suitable working time that save the time of the fabrication procedure.
- Colored that can fit the color of marble, stone, ceramic and quartz perfectly.

APPLICATION

GemsBond 4.0 is developed for bonding marble, stone, granite, quartz and ceramic, for external and internal use.

INSTRUCTION OF USE

To ensure a correct dosage, before proceeding with gluing we suggest extruding about 5-10 grams of product. Before using the glue check that the surface is dry, clean and free of dust. After use, clean the spout, close the cartridge and discard the mixer. Use only approved guns with 1:1 dosage. Close the cartridge well after use, avoid prolonged contact with air.

PACKAGE

400ml per plastic cartridge,
28 Cartridge per carton.



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MECHANICAL PROPERTY

Testing Item	Resin A	Hardener B
Appearance	Semi-fluid liquid	Thixotropic paste
Blend Ratio(by volume)	A : B = 1 : 1	
Solid Content	100%	
Specific Gravity	1.11	
Odor Grade	≤3	
Chromatic Aberration ΔE	≤1.5	
Working time (25°C*min)	35-45 min	
Gel time in bulk (25°C*min)	15-20 min	
Hardness (Shore D) ≥	55	
Colloidal fluidity after blending	Thixotropic fluid	
Bonding Strength/MPa	≥5.0	
Wear Resistance (750 g.500 r)/g	≤0.030	
Sagging after blending	No sagging	
Tensile Shear Strength/MPa	Standard condition	≥5.0
	High/low temperature switch	≥3.0
Water absorbent 25°C 24 hour (%)	< 0.2	
Waterproof / 24h	No change	
Chemical Resistance / 2h	No change	
Stain Resistance (Vinegar, soy, oil)/ 1h	No change	

Testing condition: 21-25°C, relative humidity 45-55%. Constructed by caulking gun.

CAUTIONS

1. Read the technical data sheet and security data sheet for further information.
2. Do not touch or move if the glue is not completely cured.

SHELF LIFE AND STORAGE CONDITION

24 months at 18-25 °C in ventilated and cool stock without direct sunlight.
In case of extra environment, please test the product before using it.