

TECHNICAL DATA SHEET (TDS)

STONEPOXY

ID Product Code 048



STRUCTURAL EPOXY ADHESIVE

Adhesive for marble, granite, stones and building.

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Product description:

STONEPOXY is a two component epoxy adhesive, suitable for bonding of marble, granite, ceramic tiles, floors and walls; it is also suitable for repair and structural reinforcement of elements in concrete or reinforced concrete, natural stone, mortar and brick. Bonding floors or walls in stone materials such as marble, granite or stone, ceramic bonding. Structural reinforcement of beams and pillars by bonding of concrete, steel plates or composite material, rigid structural bonding of precast concrete elements. Sealing of large cracks and repairing joint corners in industrial flooring subject to traffic.

STONEPOXY is a two-component product based on epoxy resins, selected fine-grain aggregates and special additives according to a formula developed in the BELLINZONI research laboratories. The two components are mixed to obtain a smooth paste that is easy to apply even on vertical structures in thickness up to 1 cm in a single layer. In just a few hours, STONEPOXY hardens by virtue of its chemical reaction. It does not shrink but becomes a compound with excellent adhesion and mechanical strength.

Chemical characteristics:

Appearance	Dense tixotropic paste
Color	Gray (Part A) - White (Part B)
Odor	Characteristic
Specific gravity at 20°C (68°F)	Part A 1,60 ± 0,02 / Part B 1,50 ± 0,02
Hydro-solubility	Not soluble
pH	N.D.
Catalysis ratio	3 parts "A" + 1 part "B" in weight
Pot life	20÷25 minutes at 20°C (68°F)
Modulus of elasticity under compression ASTM c576	8000 N/mm ²
Modulus of elasticity in flexion ISO 178	4000 N/mm ²
Resistance to compression ASTM C579	70 N/mm ²
Flexural strength ISO 178	40 N/mm ²
Tensile strength ASTM D638	1%
Storage at 20°C (68°F) away from heat, moisture, sunlight :	24 months in original packaging

(*)indicative values relating to the hardened resin object of laboratory tests

Instruction for use

Parts (concrete, natural stone) to be bonded or filled must be clean, completely dry and free of dust. Mix the two components in the ratio of 3 parts component "A" + 1 part component "B" using a drill with stirrer, taking care to mix the two components uniformly. Spread the mixture with a notched trowel or float on the surface to be bonded (tile or slab) and then lay on the floor or wall.

The prepared mixture has a workability (30-35 minutes at 20 ° C) that will be longer in the presence of a lower ambient temperature, shorter in the presence of higher temperature. Complete curing of the mastic occurs after 7-8 days.



Tutti i dati contenuti nella presente letteratura sono risultati da accurati esperimenti ed esperienze eseguiti nei nostri laboratori e presso qualificati operatori del settore lapideo, sono pertanto da ritenersi attendibili. Dato però il gran numero di fattori che possono influenzarli, le informazioni fin qui riportate non comportano garanzie implicite o formali. L'utilizzatore si assume la responsabilità per l'utilizzo del prodotto avendo cura di sperimentarne preventivamente le caratteristiche. La casa si riserva il diritto di apportare modifiche ai prodotti illustrati in questo scheda, in qualunque momento senza l'obbligo di preavviso. Le foto riprodotte sono indicative per le inevitabili differenze dovute alla riproduzione tipografica.



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Suggestion for use and recommendations:

- Never catalyze a whole can of putty in a time to prevent the mass effect which accelerates the hardening of the product.
- Avoid the use of mastic at a temperature below 10°C, since reaction times and hardening becomes longer.
- Air humidity can change reaction time, therefore it is not advisable to apply the product in environments with strong moisture.
- Use of the catalyst in amounts different from prescribed the mixing ratio may delay or not to trigger curing.
- Before use read the recommendations printed on the label and always carry out a preliminary test.

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Application surfaces

Marble, stone, granite, concrete elements, bonding of different materials between them.

Safety procedures

As far as the proper working procedures is concerned, we recommend to consult Material Safety Data Sheets issued according to E.U. rules and to follow your national laws concerning safety in the working place. MSDS is available on our web site www.bellinzoni.com

Packing

Item N°	Part	Content	Pieces for cardboard
048MSTEPA045	Parte A	Kg. 4,5 (158 oz.)	3
048MSTEPB015	Parte B	Kg. 1,5 (53 oz.)	8

The tins are in High Density Polyethylene (HDPE), after use will have to be recycled according to the regulations on waste disposal. The packages are approved under U.N. directives rules for inland transport (ADR) and by sea (IMO) for transportation via air refer to local regulations (IATA). For further information regarding transport please check MSDS.

Trademark and Origin of the good

BELLINZONI® is a registered trademark of Bellinzoni company. The law considers a trademark to be a form of property and any misuse can be persecuted by law. Bellinzoni s.r.l. declares that our product STONEPOXY is MADE IN ITALY.

Interactive video



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