

MC-BetoSolid SX

Two-component epoxy resin-based adhesive with high-adhesion for bonding and repairing load-bearing structures.

PRODUCT PROPERTIES:

- Ease to apply.
- High adhesion, stability, and no sagging, so it can be applied on high.
- Water resistant and low shrinkage.
- Withstands temperature changes (-25°C to +55°C).
- Good abrasion resistance.
- No solvents.
- High and early intensity.
- Good abrasion resistance.
- Excellent adhesion to concrete and many other materials, suitable for load-bearing structures according to EN 1504-4).
- According to EN 1504-2 – Surface protection products.

AREAS OF APPLICATION:

- Adhesive for concrete, natural stone, iron and steel, brick, wood, PVC, and other materials.
- Repair concrete and level uneven surfaces.
- Filling/gluing holes, and chipped edges of concrete and concrete structures.
- Sealing cracks.

APPLICATION NOTES:

- **Substrate preparation:** The substrate must be clean, dry, free from water and easily peeling impurities. Shade if necessary. Cement dust can be cleaned by mechanical means (air compressors, dust blowers).
- **Mixing:** Add component B to component A and blend together at the minimum recommended ratio in 3 minutes using a low speed mixer (approximately 300 - 400 rpm), until the mixture becomes smooth, pliable and has a smooth, grey texture.
- **Application:**
 - **MC-BetoSolid SX** can be applied by trowel, spatula or by hand while wearing rubber gloves.
 - Fill **MC-BetoSolid SX** on the surface to be applied such as cracks, adhesive surface... wait for it to dry and grind the surface if necessary.
 - Consumption, working time, traffic time, etc., depend on temperature and actual conditions at site. High temperature will shorten the working time of product.
 - Under the effect of chemicals and UV rays, **MC-BetoSolid SX** may be discolored, but will not affect the quality and performance of the product.
- **Cleaning:** Clean tools and equipment immediately after applying with MC-Thinner C. When the product is solidified, it can only be cleaned by mechanical agents.
- **Safety information:** **MC-BetoSolid SX** in liquid state can pollute water sources. The product can cause skin allergies, so it is necessary to apply protection measures during applying such as wearing gloves, safety glasses,... If product gets into eyes, rinse immediately with clean water and seek medical attention.

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TECHNICAL DATA:

Characteristic	Unit	Value	Comments
Mixing ratio	Kg	100 : 9.1	Original Ingredients: Hardening Ingredients
Density	g/cm ³	1.6	mixture
Bending strength:			
• 24h	N/mm ²	25	
• 7 days		30	
Elastic Module (dynamic)	N/mm ²	5,200	After 28 days
Glass transition temperature	°C	53.9	EN 12614
Shear strength (concrete) (7 days)	N/mm ²	≈ 5.5	
Tensile strength	N/mm ²	> 2.5	EN ISO 1542
Pot life	Minutes	≈ 45	20°C
Application temperature	°C	≥ 8 ≤ 35	Ambient temperature, substrate and A+B composition of the glue
Surface humidity	%	0.3	EN 12617-3
Compression strength:			
• 24h	N/mm ²	40	
• 7 days		45	
Layer thickness	Mm	5 - 30	Each application layer
Shear strength	N/mm ²	≈ 16	EN 12615
Light traffic allowed	Hours	≈ 6	
Defrost salt resistant (de-icing salt)		Available	EN 13687-1
Consumption	Kg/m ²	≈ 1.6	Layer thickness/mm

Safety advice:

Please note the safety information and advice given on the packaging labels and safety data sheets.

PRODUCT CHARACTERISTICS:

Packaging	2.5 Kg/set, 5 Kg/set, 10 Kg/set (Component A : Component B)
Storage	Store in dry (5-30°C), cool, in unopened packaging.
Shelf-life	Minimum 12 months from manufacturing date.

Note: The information provided here is based on our experience and correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual building projects, to the specific application and to non-standard local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. Given these preconditions we shall be liable for the accuracy of the information given as outlined in our sales and delivery terms and conditions. Recommendations by our employees that deviate from this information are only binding for us if they have been confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be adhered.

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