FASSAFER MONO

DATA SHEET

One-component cementitious treatment for active protection of reinforcing bars

Interior/Exterior

Brush

By hand

EN 1504-7

Composition

FASSAFER MONO is a product made from special cements, graded sands, resins and specific additives to protect iron reinforcement from corrosion.

Supply

- small packs of approx. 5 kg in boxes of 5

Use

FASSAFER MONO is used to protect reinforcement rods against corrosion before the application of mortar for repairing concrete.

Substrate preparation

The surface must be free from dust, dirt, etc. Any traces of oils, fats, waxes, etc. must be removed beforehand. The deteriorated concrete surrounding the iron rods that is becoming detached must be removed until you reach a solid, strong and rough substrate. The surface of the rods must also be freed of any residual deteriorated concrete, possibly sandblasted to white metal grade or at least brushed vigorously to remove any traces of rust.

Mixing

Add the product to the corresponding amount of clean water (as specified in the Technical Data) and mix using a mechanical stirrer at low speed until obtaining a uniform, smooth and brushable mixture. Then apply the mixture with a brush onto the rods to be treated in two coats, about 2 hours apart, and in any case no longer than 24 hours apart, until the whole surface to be treated has been covered. Do not worry if the product "dirties" the surrounding concrete parts, as the adhesion of the repair mortars is not compromised by the presence of FASSAFER MONO. The total application thickness must be around 2 mm. Before applying the repair mortar (type GEOACTIVE TOP B 525, GEOACTIVE RAPID B 548, RENOVA BR 575, GEOACTIVE FLUID B 530 C), wait at least 5 hours, depending on the temperature.

Warnings

- Product for professional use.
- Always consult the safety data sheet before use.
- The fresh mix must be protected against frost and quick drying.
- The application should be made between +5°C and +35°C.

FASSAFER MONO must only be used in its original condition without the addition of other materials.

Fassa S.r.l. - Via Lazzaris, 3 - 31027 Spresiano (TV) - Italy - www.fassabortolo.com

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Storage

If stored correctly in a dry place in its original packing the product will remain unaltered for at least 24 months. Once the product has expired, it must be disposed of in accordance with the current legislation.

Quality

FASSAFER MONO is subjected to accurate and constant checks in our laboratories. The raw materials used are rigorously selected and controlled.

Technical Data

Density of hardened mortar	approx. 1,800 kg/m³
Granulometry	< 0.2 mm
Colour	Grey-light blue
Water	24-26%
pH	approx. 12.5
Consumption	approx. 150 g/m with 10 mm steel bars
Waiting time before application of mortar for repairing concrete	minimum 5 hours
Workability time of the mix	approx. 1 hour
Consistency	plastic
Brushability	good
Bar pull-out resistance from concrete (EN 15184)	Pass
Corrosion resistance (EN 15183)	Pass
Adhesion to concrete (EN 1542)	≥ 2 MPa
Compliant with standard EN 1504-7	Product for protection against corrosion

The above information refers to laboratory testing; it is possible that in practical applications on site these may differ considerably according to the conditions in which the material is applied. In any case the user must check that the product is suitable for the intended application, taking all responsibility for its use. Fassa reserves the right to make technical modifications without notice.

Technical specifications regarding the use of Fassa Bortolo products for structural or fire prevention applications will only be officially valid if provided by Fassa Bortolo's "Technical Service" and "Research, Development and Quality System". If necessary, contact Technical Service in your country of reference (IT: area.tecnica@fassabortolo.com, ES: asistencia.tecnica@fassabortolo.com, PT: assistencia.tecnica@fassabortolo.com, FR: bureau.technique@fassabortolo.fr, UK: technical.assistance@fassabortolo.com).

Please note that for the aforementioned products, the assessment is required by the appointed professional, in accordance with regulations in force.

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