



IS 510

DATA SHEET

Siloxane water-repellent



Exteriors



Roller



Brush



Composition

IS 510 is a transparent and colourless water repellent coating made from special solvent-modified siloxane resins.

Supply

- Can of approx. 5 l and 20 l

Use

IS 510 is used to provide greater water repellency when treating substrates such as facing brick, small concrete structures and stone in general. For marble surfaces, it is advisable to run a small test beforehand to check compatibility. It can also be used as a protective finish for application on exterior decorative lime-based putties, such as our LS 122 or mineral wall coverings like our RF 100, RM 200 or RG 300, at least one month after applying them.

IS 510 does not affect the breathability of the surface it is applied on. It penetrates deep down into the material treated and since no film is formed, it does not change the appearance.

IS 510 is compliant with EN 1504-2:2005 (systems for the protection and repair of concrete structures), for Hydrophobic impregnation (class H), in accordance with principles 1.1 (protection against ingress, PI), 2.1 (moisture control, MC), 8.1 (increasing resistivity, IR), Assessment and Verification of Constancy of Performance System 4, Table ZA.2.

Mixing

On the dry, compact and clean substrate, apply at least two layers of IS 510. The second layer is applied before the first has dried.

For porous and highly absorbent substrates, apply IS 510 in several layers until the surface is saturated and completely impregnated. For poorly absorbing surfaces, repeat the treatment after 16 hours.



Warnings

- Product for professional use.
- Always read the safety datasheet before use.
- IS 510 should be applied at temperatures of between +5°C and +35°C.
- The product reaches maximum water-repellent capacity one week after application. Prevent the surface from being exposed to heavy rain during this period. Do not apply during foggy or rainy weather.
- Being a solvent-based product, during application ensure adequate ventilation of the environment.
- Use all the material necessary for the work from the same batch.
- The product is flammable.
- Keep out of the reach of children and store in a ventilated environment.
- The recipient/product must be disposed of in accordance with national laws.
- Do not pour residual material into sewage drains.
- A preliminary test should be carried out on the specific substrate in order to verify that there is no evidence of any alterations to the colour tone.
- IS 510 can be used as a concrete protection product exclusively for uses with low performance requirements in buildings and civil engineering works (Table ZA.2 of EN 1504-2, Assessment and Verification of Constancy of Performance System 4).
- The information provided on this technical datasheet is based on our technical and practical knowledge and experience. The technical data refer to the average characteristics of the basic product and are determined under controlled laboratory conditions. The variability of the natural raw materials available on the market can lead to slight deviations in the declared values. It is therefore necessary for the purchaser/user to personally verify, before application, the suitability of the product for the intended use, in particular when different lots of the same material are used in the same job/site (this is however not recommended as per point 6 of these warnings).

IS 510 must only be used in its original state without the addition of other materials.

Storage

If stored in a suitable environment, in its original packaging, the material has a shelf life of 12 months.

Quality

IS 510 undergoes accurate and continuous checks in our laboratories. The raw materials used are rigorously selected and checked.

Technical Data

Specific weight (EN ISO 2811-1)	approx. 0.8 kg/l
Consumption (**)	approx. 0.1-1.0 l/m ² depending on absorption of the substrate being treated
Dilution	use as-it-is
Technical characteristics in accordance with EN 1504-2	
Penetration depth (EN 1504-2, Table 3, no. 19)	Class I (<10 mm)
Capillary absorption and alkali resistance; absorption ratio after immersion in alkaline solution (EN 13580)	< 10%
Capillary absorption and alkali resistance; absorption ratio compared with the untreated specimen (EN 13580)	< 7.5%
Drying rate for hydrophobic impregnation (EN 13579)	Class I (> 30%)
(**) this should be verified by preliminary tests on the specific substrate	
EU limit value of VOC content (Directive 2004/42/EC)	Cat. A/h, SB: max VOC 750 g/l (January 2010); product VOC < 750 g/l

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: asistencia.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.