

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

- 20 l packs and boxes of 2 pcs of 5 l
- Colour: transparent

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 exterior application of lime-based decorative finish coat plaster/render or mineral wall coatings at least one month after application.

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 coats of IS 510. The second coat is applied wet-on-wet. For porous and highly absorbent substrates, apply IS 510 in several coats until the surface is saturated and completely impregnated. For poorly absorbing surfaces, repeat the treatment after 16 hours.

Warnings

- Product recommended for expert users.
- Always read the safety data sheet 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.
- Ensure all material for the job is taken from the same batch.
- The product is flammable.
- Keep out of the reach of children and store in a ventilated environment.
- The container/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 applications with low performance requirements in buildings and civil engineering work (Table ZA.2 of EN 1504-2, Assessment and Verification of Conformity 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 project/site (this is however not recommended as per point 6 of these warnings).

IS 510 must be used as supplied, without the addition of any extraneous materials.

Storage

Store the product at temperatures between +5°C and +35°C. If stored in a cool, dry place, away from sources of heat and sheltered from direct sunlight, in its sealed original packaging, the product has a shelf life of 12 months. Once the product has expired, it must be disposed of in accordance with current legislation.

Quality

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

Technical Data

Specific weight (EN ISO 2811-1)	approx. 0.8 kg/l
Consumption (**)	0.1 - 1.0 l/m ² approx. depending on absorption of the substrate being treated
Dilution	use as supplied
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)	Category A/h, SB: VOC max 750g/l 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 verify 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.