

Murasan Surface 610

Non-film forming hydrophobic impregnation for concrete goods



PRODUCT PROPERTIES

- non-film forming
- for dry side of production
- environmentally friendly
- transparent
- easy to clean surface
- preventing moss and algae growth
- hydrophobic
- no yellowing

AREAS OF APPLICATION

- all concrete surfaces
- high-grade concrete goods
- dry side of production only

APPLICATION ADVICE

Murasan Surface 610 is a non-film forming hydrophobic impregnation for all concrete surfaces, especially high-grade concrete goods such as paving blocks and tiles, slabs, terrazzo tiles, washed concrete, sandstone and clinker. When cured, it provides a long-lasting protection against conventional and aggressive pollutants.

Preventing liquid water from entering the concrete surface layers is the most effective solution for many different phenomena that can cause mechanical or visual damage. While non-film forming impregnations do not provide the same level of protection as film-forming coatings, they still prevent a variety of water-related damages without any changes to the concrete surface's structure and appearance. By repelling liquid water from entering the concrete, Murasan Surface 610 prevents the penetration of pollutants and aggressive water-soluble substances. It also significantly limits the ability of moss, algae and small plants to start growing on the surface. Any stains, even from oil and grease, food and drinks like coffee and wine can be easily washed off.

After application, Murasan Surface 610 doesn't only stay on the substrate but also penetrates into the open capillaries. The active substances in Murasan 610 then chemically react with the surface and after a short time period, all cured surfaces become highly hydrophobic. This so-called "lotus effect" causes all pollutants and contaminants to flow right off the surface.

For the best results, apply Murasan Surface 610 as uniformly as possible using a suitable spraying system. Murasan Surface 610 can be used only on the dry side of the production – after initial curing of the concrete products. Due to its chemical reaction, Murasan Surface 610 develops its full effect after 24-48 hours. Before application, it is necessary to remove any impurities such as oils, dirt, dust and other loose particles and also release and curing agents from the substrate. Murasan Surface 610 is resistant against UV radiation, does not yellow over time and does not change the visual appearance of the concrete surface

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Density	kg/dm ³	100 - 200	± 0.02 kg/dm ³
Consumption (flat)	g/m ²	100 - 200	substrate-dependent
Type of admixture	Surface protection		
Designation of admixture	Murasan Surface 610		
Colour	colourless		
Form	liquid		
Delivery form	30 kg can 200 kg barrel 1000 kg container		
Storage	Can be stored in cool and dry conditions for at least 12 months in original unopened packs.		

Note: The information contained in this data sheet is based on our experience and is correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual structure, to the specific application and to non-standard local conditions. Application-specific conditions must be checked in advance by the planning engineer/specifier and, where different from the standard conditions indicated, will require individual approval. Technical advice provided by MC's specialist consultants does not replace the need for a planning review by the client or its agents in respect of the history of the building or structure. Subject to this prerequisite, we are liable for the correctness of this information within the framework of our terms and conditions of sale and delivery. Recommendations of our employees deviating from the information given in our data sheets are only binding for us if they are confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be observed. The information given in this technical data sheet is valid for the product supplied by the country company listed in the footer. It should be noted that data in other countries may differ. The product data sheets valid for the relevant foreign country must be observed. The latest technical data sheet shall apply to the exclusion of previous, duly superseded versions; the date of issue in the footer must be observed. The latest version is available from us on request or may be downloaded from our website. [2400022916]