

Murasan Surface 510

Film-forming surface protection for concrete goods



PRODUCT PROPERTIES

- color enhancing
- film-forming
- silky smooth surface
- reduced effloresce
- protection against environmental degradation
- minimized water absorption
- increased frost protection
- easier maintenance and cleaning
- water repellent surface
- no yellowing

AREAS OF APPLICATION

- semi-dry concrete goods precast (paving blocks, pavers, curbs etc.)
- both wet side and dry side of production
- not suitable for closed surface products such as terrazzo tiles
- not intended for white cement concrete

APPLICATION ADVICE

Murasan Surface 510 is a film-forming coating system for grey or colored concrete goods. When cured, it creates a smooth silky surface finish which protects the concrete from various kinds of degradation and at the same time allow easier maintenance. Murasan Surface 510 contains color enhancing pigment and is not meant to be used with white concrete.

Liquid water is one of the main causes of concrete degradation. With no barrier in place, water can freely migrate between concrete's surface layers and the environment, carrying a variety of degrading substances such as de-icing salts. If water freezes inside the concrete structure, it expands and can cause internal pressure of up to 200 MPa. Some concrete degrading chemical reactions can only take place in a humid environment. Unprotected concrete surface is also a great substrate for the growth of moss, algae and even smaller plants. When water evaporates back into the environment, it leaves behind soluble minerals and salts, leading to the occurrence of secondary efflorescence.

These effects can be effectively mitigated with Murasan Surface 510. Immediately after application it penetrates into substrate and seals all open pores and capillaries. At the same time, it creates a water repellent layer on the surface, preventing any pollutants from adhering and allowing its effortless cleaning. This also applies to food, drinks and oils.

Murasan Surface 510 is resistant to chemicals, mechanical abrasion, UV radiation and a number of other effects causing premature concrete degradation.

Before application, it is important to clean any dirt, dust, oils and release and curing agents from the substrate. For best results, apply the product as uniformly as possible using spraying booth or other suitable spraying device. Material does not yellow over time.

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Density	kg/dm ³	approx. 1.04	± 0.02 kg/dm ³
Consumption	g/m ²	100 - 140	depending on condition of substrate
Type of admixture	Surface protection		
Designation of admixture	Murasan Surface 510		
Colour	light blue		
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. [2400022911]