



Murasan Surface 520

Film-forming surface protection for concrete goods

Key features

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

Areas of application

- semi-dry concrete goods (paving blocks, pavers, curbs etc.)
- both wet side and dry side of production
- not intended for white cement concrete

Application notes

Murasan Surface 520 is a high-performance film-forming coating system for grey and colored concrete goods. It creates a hydrophobic, silky smooth surface that protects the concrete from degradation and allows significantly easier maintenance. Murasan Surface 520 contains color enhancing pigment and is not meant to be used with white concrete.

One of the leading causes for degradation of concrete's surface is liquid water. During the phase shift from liquid to solid at negative temperatures, water expands by 9% and can cause up to 200 MPa of internal pressure inside the concrete structure. While frost damage can be minimized by using de-icing salts, these degrade concrete as well, especially when carried inside by water that subsequently evaporates. Some concrete damaging chemical reactions can take place only in humid environment. Wet concrete is also a perfect substrate for moss, algae or even small plants. When environmental humidity drops and water evaporates back from the concrete, it leaves all soluble minerals and salts in the form of secondary efflorescence.

These negative effects can be completely mitigated by use of high-performance surface protection system such as Murasan Surface 520. It penetrates into the substrate and seal all open pores and capillaries. Murasan Surface 520 also creates a hydrophobic film on the surface, preventing dirt and pollutants (including food, drinks and oils) from adhering and making cleaning and maintenance significantly easier.

Murasan Surface 520 is resistant to aggressive chemicals, mechanical abrasion and UV radiation. It does not yellow over time, assuring brilliant and long lasting colors.

Before application make sure to clean the substrate of any dirt, dust, oils and release and curing agents. For best results, apply as uniformly as possible using a suitable spraying system.



Technical properties of Murasan Surface 520

Characteristic	Unit	Value	Comments
Density	kg/dm ³	approx. 1.06	± 0.02 kg/dm ³
Recommended consumption	g/m ²	100 – 140	depends on the surface structure

Product characteristics

Type of product	Surface protection
Name of product	Murasan Surface 520
Color	Light blue
State	Liquid
Storage	Store in sealed original packaging in dry environment. Protect from frost and direct sunlight. Shelf life 12 months when storage conditions are met.
Form of delivery	30 l can 200 l barrel 1000 l container

Note: The information on this technical data sheet is based on our experience and 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, the specific application and especially to 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 such a review, 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.

Issue 02/19. This data sheet has been technically revised. Previous versions are now duly superseded and may no longer be applied. Any further technically revised edition supersedes this version, rendering it null and void.