



Murasan Surface 500

Film-forming surface protection for concrete goods

Key features

- film-forming
- more intensive and brilliant colors
- protection from environmental influences
- easier surface cleaning
- long-lasting visual appearance
- resistant against chemicals, abrasion and UV radiation
- no yellowing over time
- open for diffusion

Areas of application

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

Application notes

Murasan Surface 500 is a film-forming surface protection system for semi-dry precast concrete elements such as paving blocks. It penetrates into the substrate and closes open pores and capillaries that would otherwise allow the permeation of water and corrosive substances into the concrete.

When we allow water to freely migrate between the concrete's surface layers and surrounding environment, it can cause a whole number of issues. The most common ones are damages caused by frost (water expands by roughly 9% when turned into ice), de-icing salts and other water-soluble corrosive substances. Liquid water is also a necessary intermediary in some concrete degrading chemical reactions. Then there are other influences that can lead to concrete's surface damage. Mechanical wear, erosion, biological attacks (moss, algae, roots are among the most common ones).

All these phenomena can be mitigated with Murasan Surface 500. It creates a seamless film on the surface and closes all pores and capillaries in the upper layers of the concrete element, thus keeps water and all pollutants away.

Any dirt that does get stuck on top of the coating is very easily washable – this includes stains made by oil and all sorts of food and drinks. Murasan Surface 500 also protects the surface during manufacturing and subsequent manipulation of concrete products.

Murasan Surface 500 can be applied to any type of concrete except for products with very dense surface structure such as terrazzo tiles. Murasan Surface 500 is resistant against aggressive chemicals, mechanical abrasion and UV radiation. Murasan Surface 500 does not yellow over time.

Any impurities such as oil, fat, dust and release and curing agents must be removed prior to the application of Murasan Surface 500. The only recommended way of application is by spraying with a suitable spraying system. The exact amount of Murasan Surface 500 necessary for a balance between protection degree and visual appearance should be determined by preliminary laboratory trials.



Technical properties of Murasan Surface 500

Characteristic	Unit	Value	Comments
Density	kg/dm ³	approx. 1.02	± 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 500
Color	Gray
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.