



Murasan Surface 500 Lite

Basic surface protection for concrete goods

Key features

- slightly film-forming
- basic surface impregnation
- protection during manipulation
- slightly deeper colors
- easy to clean surface
- resistant against wear, chemicals and UV
- no yellowing

Areas of application

- concrete goods
- not suitable for products with very dense surface structure such as terrazzo tiles
- for both wet side and dry side of production

Application notes

Murasan Surface 500 Lite is a basic concrete impregnation with slight film-forming behavior. This protects the surface as well as the concrete underneath from a variety of physicochemical damages and prevents some of the commonly occurring visual flaws.

Water absorption has a considerable degradation potential – it can transport aggressive water-soluble substances, it expands when turned into ice and is a vital component to some concrete damaging chemical reactions. Apart from water absorption, the surface is the part of any concrete element or structure that is most exposed to other elements. Mechanical wear and aggressive chemicals such as acids and de-icing salts are among the most common reasons for concrete surface degradation.

The effects of these phenomena can be, to a degree, reduced with Murasan Surface 500 Lite. It penetrates into the substrate and closes the capillaries and at the same time forms a very thin film on the surface.

This slightly enhances the color and creates a protective barrier that prevents damage during manipulation and keeps the surface clean from sludge, dirt, dust and other pollutants.

Murasan Surface 500 Lite can be applied any type of concrete product with an open surface. It is not recommended for application on closed surface products such as terrazzo tiles. Murasan Surface 500 Lite is resistant against aggressive chemicals, mechanical wear and UV radiation. It 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 Lite. The only recommended way of application is by spraying with a suitable spraying system. The exact amount of Murasan Surface 500 Lite necessary for a balance between protection degree and visual appearance should be determined by preliminary laboratory trials.



Technical properties of Murasan Surface 500 Lite

Characteristic	Unit	Value	Comments
Density	kg/dm ³	approx. 1.02	± 0.02 kg/dm ³
Recommended consumption	g/m ²	60 – 120	depends on the surface structure

Product characteristics

Type of product	Surface protection
Name of product	Murasan Surface 500 Lite
Color	White
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.