



BE SURE. BUILD SURE.

MC-Top B (Previously known as Master FlorPlus 307 NS)

Natural silica dry shake floor surface hardener

Description

MC-Top B is a ready-to-use dry shake floor hardener composed of selected silica-quartz aggregates and cement. It provides a monolithic finish to screed or concrete surfaces which is abrasion- and impact-resistant. MC-Top B is available in natural cement grey and other decorative colours.

Uses

- Warehouse
- Car park
- Workshop
- Factory floor
- Ramp
- Garage

Advantages

- Reduces surface dusting
- High wear resistance
- Improves impact resistance
- Ready-mixed and easy to use
- Economical to install and maintain

Application

Base Concrete

The base concrete shall have a minimum cement content of 300 kg/m³ or of grade 25 N/mm² with an on-site slump of 75 to 100 mm and minimized bleeding. Good concrete practices shall be followed when placing the base concrete to avoid excessive formation of surface laitance; and edges and corners be properly compacted to obtain accurate profile finish.

Application

Application area shall be divided into bays for control of material distribution as well as work execution. Two third of material shall be used for the first broadcast and balance being used for the second pass.

Once the base concrete has been leveled and allowed to stiffen to a point where light foot traffic does not leave an imprint of more than 5 mm, it is ready to receive the application of MC-Top B.

Any access surface water shall be removed by burlap prior to application of MC-Top B to avoid adverse effect on strength of MC-Top B

Application shall also be timed to avoid being too late where there is insufficient moisture left to complete the hydration of MC-Top B and resulting in subsequent pitting and crazing effects of the floor finish.

Broadcast the first two third of MC-Top B evenly over the base concrete and when the material turns dark from absorbing the moisture from the concrete, light floating shall be performed to compact it to prepare the concrete surface to receive the second dose of the remaining material. Precaution shall be taken not to overwork the surface at this stage.

Once the second dose of material is fully moistened, the floor is again compacted using mechanical power float until a dense finish is achieved.

Do not wet out the freshly treated surface with water as this will cause damages to the quality of MC-Top B

Curing

Proper curing must be carried out immediately after the final finishing of the MC-Top B. Spray-apply curing compound Emcoril Protect GP at the rate of 6 m²/litre to cure and seal surface for a dust free finish. Alternatively, polythene sheet may be used where external condition permits.

Loading

MC-Top B is foot trafficable after 24 hours but full service loading shall only be applied after 28 days.



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Technical Data for MC-Top B

Characteristics	Unit	Value	Comments
Mohs Hardness		7 to 8	
Compressive Strength (28 days)	N/mm ²	60	Water dosage (15%)
Coverage	kg/m ²	4	for normal traffic
		5	for medium traffic
		6	for heavy traffic

Product Characteristics for MC-Top B

Colour	Available in natural grey (cement), red & green
Packaging	25 kg bag
Storage	Can be stored in shaded, cool and dry conditions for 12 months in original unopened packs.
Disposal	In the interest of the environment, please empty all bags completely & in accordance with local regulations.

Note: The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

Edition 01/24. Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.