

MasterTop® CC 733

Lithium Silicate Based Surface Hardener for New and Old Concretes

PRODUCT DESCRIPTION

MasterTop® CC 733, is a water-based ultrahigh solid lithium surface hardener used to densify, harden, dustproof new or existing concrete floors.

FIELDS OF APPLICATION

MasterTop® CC 733 is useful for new or existing concrete or cement based screeds.

- Shopping malls
- Supermarkets
- Car parks
- Aircraft Hangars
- Warehouses
- Distribution Centres
- Production Facilities
- Offices
- Factories

FEATURES AND BENEFITS

- Easy to apply
- Excellent penetration
- Increases abrasion resistance
- Helps reduce efflorescence and alkali-silicereaction
- Can be applied over new or existing concrete
- Good stain and water resistance.
- Increase brightness of applied surfaces

APPLICATION METHOD

On Freshly Finished Concrete

There is no need for surface preparation when **MasterTop® CC 733** is applied on freshly finished concrete. Saw cut control joints after final surface preparation. Clean concrete of saw debris or any dirt or residue. Using a low-pressure sprayer, apply a single coat of **MasterTop® CC 733**

On existing concrete

Existing concrete must be minimum C20 class. In case of existing concrete remove all dirt, debris or curing compounds. Allow clean surface to dry. It is recommended to grind and level the concrete surface with an orbital floor machine or diamond grinding machine equipped with a 100 to 400 grit diamond discs or diamond abrasive pad depending upon desired exposure and size of the aggregate.

Using a low-pressure sprayer, apply a single coat of **MasterTop® CC 733** at a rate that covers the surface, but does not produce puddles. Treated surfaces should stay wet for 10-15 minutes following initial application. Uniformly spread the product in a thin layer using a microfiber pad. Treat porous areas that dry in less than 10 minutes with one more layer.

On existing concrete to achieve desired glossy finish, use progressively finer diamond disc sand continue grinding from 800 to 3000 grit.

CONSUMPTION

MasterTop® CC 733 should be applied as a single layer. Average coverage rate is around 50 – 150 gr/m². Depending on concrete class and absorbance of the concrete, consumption will be changed.

PACKAGING

MasterTop® CC 733 is supplied in 25 kg plastic jerrycan packs.

SHELF LIFE

The shelf life is 12 months from the date of production under suitable storage conditions. Opened packages should be stored under suitable storage conditions and used within 1 week.

TECHNICAL DATA

Type of Material	Liquid
Colour	Transparent
pH	11
Bohme Abrasion Resistance (EN ISO 5470-1 28 Day Concrete) cm ³ /50cm ²	14,20
Flash point	Non- Flammable
Application Temperature	+5°C - +40°C
Dry solid content (%)	17 ± 1

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STORAGE

The product should be stored in its original package, in a cool and dry place protected from frost. For short term storage, maximum 3 palettes should be placed on top of each other and the shipment should be made on a 'first in, first out' basis. Palettes should not be placed on top of each other during long term storage.

WARNING AND PRECAUTIONS

It is dangerous to approach the application sites with fire. Fresh air should be circulated in the storage and the application sites. During the application, a protective apparel, protective gloves, goggles and masks which comply with the Occupational Health and Safety Rules should be used. Due to the irritation effect of the uncured materials, the mixture should not come into contact with skin and eyes; in case of a contact, the affected area should be washed with plenty of water and soap; in case of swallowing, a physician should be consulted immediately. No food or beverages should be brought to the application area. The product should be stored and kept out of reach of children. For detailed information please consult the Material Safety Data Sheet.

DISCLAIMER

The technical information given in this publication is based on the present state of our best scientific and practical knowledge. **Master Builders Solutions Yapı Kimyasalları Sanayi ve Ticaret Ltd. Şti.** is only responsible for the quality of the product **Master Builders Solutions Yapı Kimyasalları Sanayi ve Ticaret Ltd. Şti.** is not responsible for results that may occur because the product is used other than advised and/or out of instructions regarding the place and the method of use. This technical form is valid only till a new version is implemented and nullifies the old ones.

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