

MasterTop® 100

Quartz Aggregated Surface Hardener

DESCRIPTION

MasterTop® 100 is a pre-mixed, dry-shake surface hardener, which contains hydraulic binder and high concentration of special graded mineral aggregates.

MasterTop® 100, has a low chromate content (Cr-VI) ≤ 2 ppm on cement weight.

CHARACTERISTICS

MasterTop® 100 offers following advantages;

- High abrasion resistance (twice as much as normal concrete floor)
- Low level of porosity due to maximum compactness
- Attractive
- Easy to clean
- Available in different colours
- Limited dust formation
- Mineral oils and petrol resistant

FIELD OF APPLICATION

MasterTop® 100 is recommended for industrial floors with light to moderate traffic in:

- Basements and cellars
- Mechanical workshops
- Garages for passenger cars
- Storage rooms
- Corridors, halls
- Educational facilities
- Parking areas
- Loading platforms

REMARKS

- Where operating and service conditions dictate the use of a metallic aggregate surface hardener for greater abrasion and impact resistance.
- For use in areas exposed to acids and their salts or to materials known to deteriorate cement concrete, consult your **Master Builders Solutions-CC** representative.
- Do not apply over concrete containing chlorides or aggregate contaminated with salt/salt water.
- Do not apply over concrete with > 3% entrained air.

APPLICATION PROCEDURE

- 
 Placing concrete.
 - 
 Blevening, consolidating and Striking off concrete
 - 
 Apply the shake of **MasterTop® 100** (manually)
 - 
 Apply the first shake of **MasterTop® 100** by spreader
 - 
 the first shake of **MasterTop® 100**
- Repeat steps 3 up to 4 including (apply the second shake, floating the second shake of MasterTop 200) followed by a first trowelling and a second/final trowelling.*
- 
 Curing
 - 
 Sawing joints
 - 
 Application of joint sealant

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For detailed information on the application steps, please consult the application manual.

CONSUMPTION

For light to medium traffic 3 – 5 kg/m²
For medium to heavy traffic 5 – 8 kg/m²
For coloured floors, especially light colours 7 – 8 kg/m²

PACKAGING, STORAGE, SHELF LIFE

MasterTop® 100 is packaged in 25 kg moisture resistant bags and big bags. Do not use the product if bag is damaged. Kept frost-free and dry, MasterTop 100 can be stored for 12 months in the tightly closed original packages.

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.

CONTACT INFORMATION

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MasterTop 100 Şap malzemeleri ve zemine uygulanan şaplar (Screed material and floor screeds) Kuars Agregalı Yüzey Sertleştirici (Quartz Aggregated Surface Hardener)	
Korozyon Etkisi (Release of corrosive substances)	CT
Yangına Karşı Tepki (Reaction To Fire)	A1
Aşınma Direnci(BÖHME) (Abrasion Resistance "Boehme")	A9
Eğilme Dayanımı (Flexural Strength)	F5
Basınç Dayanımı (Compressive Strength)	C30

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Technical Data		
Physical form		Ready to use powder
Color		Cement grey, further colors see color -chart
Curing		Necessary
Filling Joint		Recommended
Compressive Strength (28 Days)	EN 13982-2	C30
Flexural Strength (28 days)	EN 13982-2	F5 (5-15 N/mm ²)
Abrasion Resistance BOHME	EN 13982-3-2004	A9 (maks. 9cm ³ /50 cm ²)
Resistance to Fire		A1 _{fl}
Release of Corrosive Substances		CT (Cementitious Screeds)