

MasterTop® 430

Mineral and Corundum Aggregated Surface Hardener

DESCRIPTION

MasterTop® 430 is a cement based, mineral and corundum aggregated surface hardener designed to be applied as a dry shake over freshly floated surface concrete which will be exposed to heavy duty.

CHARACTERISTICS

MasterTop® 430 aşağıda belirtilmiş olan özelliklere sahiptir;

- Easily applied on freshly floated surface concrete.
- With its modified polymers, it absorbs the water of the surface concrete on which it has been applied and forms a monolithic structure with bare concrete.
- Do not oxidize.
- Hardener applied surface is 4-6 times more resistant to abrasion than bare concrete.
- Contains properly sized and graded corundum aggregate.
- Resistant to freeze-thaw circle.
- Resistant to flaking due to the salt application against freezing.

FIELD OF APPLICATION

MasterTop® 430 is designed to ensure durability in applications where floor is subject to medium and heavy traffic and where a non-dusting surface is required. It will improve and enhance the performance of all concrete floors.









- Used in workshops
- In energy stations
- In garages
- In car parks
- In storage areas
- In loading bays
- In factories
- In shipyards
- In aircraft hangars
- In car wash shops
- In helicopter landing sites

REMARKS

- During application the ambient and the floor temperature should not be less than +5°C and more than +35°C.
- The surface hardener applications should be carried out by suitably qualified applicators.
- The Surface Hardeners are only aimed to increase the abrasion and impact resistance of a surface; they have no effect on mechanical strengths (flexural, tensile and compression) of the concrete on which they are applied. Therefore, the concrete should be designed in accordance with the mechanical loads that affect the surface thereof.
- The thickness of the screed on which **MasterTop® 430** will be applied should be more than 7 cm, the

water/cement ratio should be over 0.45 and the concrete class should be C25 at least.

APPLICATION PROCEDURE

-  Placing concrete.
 -  Lcelling, consolidating and Striking off concrete
 -  Apply the first shake of **MasterTop® 430** (manually)
 -  Apply the first shake of **MasterTop® 430** by spreader
 -  the first shake of **MasterTop® 430**
- 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

Based on the purpose of use and traffic load 4-8 kg/m². For light colored applications, the application should not be less than 7 kg/m².

PACKAGING, STORAGE, SHELF LIFE

MasterTop® 430, 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.

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	C70
Flexural Strength (28 days)	EN 13982-2	F7
Adhesion to Concrete	EN 13982-8 class > B 2,0	2,5 N/mm ²
Abrasion Resistance BOHME	EN 13982-3-2004	A6 (max. 6cm ³ /50 cm ²)
Resistance to Fire		A1 _{fl}
Release of Corrosive Substances		CT (Cementitious Screeds)
Impact Resistance (IR)	EN ISO 6272-1 (EN 1504-2)	Class I

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CONTACT INFORMATION

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MasterTop 430 Şap malzemeleri ve zemine uygulanan şaplar (Screed material and floor screeds) Mineral ve Korund Agregalı Yüzey Sertleştirici (Mineral and Corundum Aggregate Surface Hardener)	
Korozyon Etkisi (Release of corrosive substances)	CT
Yangına Karşı Tepki (Reaction To Fire)	A1
Aşınma Direnci(BÖHME) (Abrasion Resistance "Boehme")	A6
Eğilme Dayanımı (Flexural Strength)	F7
Basınç Dayanımı (Compressive Strength)	C70