

MasterTop® 135 PG

Pumpable & pourable mortar for flooring overlay.

DESCRIPTION

MasterTop® 135 PG is a ready-to-use, pumpable, pourable, screedable and high-strength cement based overlay for floors in indoor and outdoor.

MasterTop® 135 PG is suitable for levelling rough and uneven concrete floors in a thickness layer from 5 - 15 mm. **MasterTop® 135 PG** is formulated with sulphate resistant Portland cement, reinforced with PAN (polyacrylonitrile) fibers and mineral aggregates. **MasterTop® 135 PG has a low chromate content (Cr-VI) < 2 ppm on cement weight.**

CHARACTERISTICS

MasterTop® 135 PG is:

- An economical, ready-to-use cement based flooring overlay, that hardens free of bleeding at following consistency: from flowable to high plastic.
- A mortar that retains good workability for at least 30 minutes at 15 to 25°C.
- Resistant to alkaline surroundings
- A ready-to-use product, water is added on site.
- The use of a high-yield mortar pump (screw pump) allows the prepared product to be pumped without segregation.
- Can simply be poured out and distributed.
- The mortar will cure without blistering.

FIELD OF APPLICATION

MasterTop® 135 PG is recommended for:

- Use on rough concrete and cementitious floor screeds, as well as other suitable substrates.
- Industrial floors with normal loading.
- Where a mortar with high final strength similar in colour to concrete is desired.
- Reprofiling of horizontal surfaces as industrial inside and outside floors, etc.
- Use for exposure classes XC4, XF4, XD3, XA3 according to EN 206-1 (Concrete standard).

REMARKS








Strength development **MasterTop® 135PG** The strength of the overlay depends on:

- the amount of mixing water
 - the temperature of the substrate
 - the curing cycle
 - the age of the hardened mortar
 - the ambient temperature and humidity.
- The temperature of material, water and the ambient temperature should be in the range of +5°C to +25°C.
- Do not use water in an amount or at a temperature that will produce a consistency more than flowable or cause mixed mortar to bleed or segregate.
- Do not apply over concrete containing calcium chloride or aggregate contaminated with salt or salt water.

- Do not apply over concrete containing more than 3% entrained air.

APPLICATION PROCEDURE

Application on existing concrete

-  Apply bonding slurry
-  Mixing of the product
-  Placement (pouring/pumping) of the Material (wet in wet the bonding Slurry) and leveling (see note)
-  Floating of **MasterTop® 135 PG** Followed by a first trowelling and a Second/final trowelling/polishing
-  Curing
-  Sawing joints
-  Application of joint sealant

Application on fresh concrete

-  Floating concrete

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Steps 2 up to 7 are the same as described under "Application on existing concrete".

Note:

Apply by means of a hard brush bonding slurry of **MasterTop® 135 PG** directly onto the substrate. The substrate should be damp but free of standing water. Brush the bonding slurry well into the surface. Do not allow the bonding slurry to dry.

Alternatively bonding slurry of **MasterTop® 500** may be applied. Consult your **Master Builders Solutions-CC** representative.

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

CONSUMPTION

25 kg **MasterTop® 135 PG**, mixed with 3 (3,0 – 3,5) liters of water produces approximately 12,5 liters mortar (0,0125 m³).

PACKAGING, STORAGE AND SHELF LIFE

MasterTop® 135 PG is packaged in 25 kg moisture-resistant bags and big bags. Do not use the product if bag is damaged.

Kept dry, cool and frost-free, **MasterTop® 135 PG** 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® 135 PG Technical Data Sheet -Revision
Date: 12/2020

	
Master Builders Solutions Yapı Kimyasalları Sanayi ve Ticaret Ltd. Şti. Adres: Barbaros Mah. Begonya Sok. Nidakule Kuzey Ataşehir, C Kapısı No:3 E/5, 34746 Ataşehir İstanbul 20 DOP NO: 04.13813.008 EN 13813:2002 CT-A1-A6-F7-C60	
MasterTop 135 PG Çimentolu Şap Malzemesi (Screed material and floor screeds – Screed material)	
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)	C60

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TECHNICAL PROPERTIES

Technical Properties		
Physical form		Ready to use powder
Color		Cement Grey, colors see color-chart
Curing		Necessary
Filling Joint		Necessary
Water Content/25 kg		3,0 – 3,5 liters
Compressive Strength (28 days)	EN 13982-2	≥ 60 MPa
Flexural Strength (28 days)	EN 13982-2	≥ 9,43 MPa
E-modulus (28 days)	EN 13412	40 kN/mm ²
Adhesion to Concrete	EN 13982-2 class>B 2,0	2,5 N/mm ² (concrete failure)
Abrasion Resistance BOHME	EN 13982-3-2004	A6 (max. 6 cm 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 III