Griptop® MD

Flow applied polyurethane topping

DESCRIPTION

Griptop MD is a three-pack solvent free polyurethanebased topping that provides floor surfaces with a seamless, hygienic and cosmetically attractive matt finish.

Griptop MD is flow applied by trowel to horizontal surfaces and has very good durability towards pedestrian and vehicular traffic. It also has very good resistance to many of the chemicals commonly found in an industrial environment (consult our Technical Department for further details). Griptop MD can be supplied in a variety of colours (consult our Sales Department for further details).

ADVANTAGES

- Resistant to thermal shock and temperatures between −15°C to 60°C @ 4 mm thickness and −25°C to 80°C at 6 mm thickness.
- Provides hygienic floor.
- Easy to clean.
- Resistant to a wide range of chemicals (consult DCP Technical Department for more details).
- Hard wearing and good impact resistance.
- Slip resistant.

STANDARDS

Griptop MD complies with EN 13813, SR-B2.0-AR0.5-IR10.

METHOD OF USE

SURFACE PREPARATION

The surface must be clean, dry (less than 75% RH measured by hygrometer) and free of laitance (see the Guide to Surface Preparation for further details). To ensure a good bond to the substrate, a 4 mm deep x 3 mm wide rebate should be cut around the edges of the floor, 150 mm from the walls and running parallel to them.

For treatment of surfaces containing expansion joints, consult our Technical Department. Griptop HD is non-tainting and has been tested to TES-S-002 by Campden BRI Group (test data available on request).

PRIMING

Surfaces must be primed with Strongcoat Primer prior to application of Griptop MD (see Strongcoat Primer data sheet for further details).

Note: More than one coat of primer may be required for highly porous or textured surfaces.

TECHNICAL PROPERTIES @ 25°C:

Mixed density:	1.9 ± 0.05 g/cm³
Pot life:	20 - 30 min
Bond strength: ASTM D4541	≥ 2 N/mm² (concrete failure)
Compressive strength: BS 6319-2	≥ 48 N/mm² @ 28 days
Flexural strength: BS 6319-3	≥ 15 N/mm² @ 28 days
Tensile strength: BS 6319-7	≥ 6 N/mm² @ 28 days
Impact resistance: EN 13813	10 N.m
BCA wear resistance: EN 13813	Class AR0.5 (≤ 0.05 mm)
Shore D hardness: ASTM D2240	≥ 80
Temperature resistance:	−15°C to 60°C @ 4 mm thickness −25°C to 80°C @ 6 mm thickness
Water absorption:	Nil

The above data was developed under controlled laboratory conditions. Properties in the field may vary. Expect reasonable variations from these results, depending on material and ambient temperature, jobsite and test conditions.

For surfaces with RH between 75 and 85%, prime with 1 coat of Strongcoat DPM and allow to fully cure.

For surfaces with RH greater than 86%, prime with 2 coats of Strongcoat DPM and to fully cure before priming with Strongcoat Primer.

MIXING

Taking care to ensure that the bottom and sides are thoroughly scraped, transfer the entire contents of the Griptop MD Hardener container into the Resin container and, using a Jiffy-type mixer attached to a slow running electric drill, mix for approximately two minutes.

Once the Griptop MD Hardener and Resin have been mixed, transfer all the mixed material into a Casco or Creteangletype mixer, taking care to ensure that the bottom and sides are thoroughly scraped.

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Griptop® MD

Start the mixer and transfer to it the entire contents of the Griptop MD Filler container, taking care to ensure that these are completely dry and lump-free. Continue mixing for approximately two minutes.

Important: Never mix Griptop MD by hand as this could lead to areas of uncured material.

APPLICATION

Once mixing is complete, transfer the Griptop MD to the primed surface and, using a straight-edged steel trowel, apply it evenly.

Note: Griptop MD is not colour stable and may discolour on ageing and exposure to UV light, especially with light colours. This will not adversely affect the performance of the product.

WORKING TIME

Griptop MD has a working time of approximately 15 minutes at 20°C.

Important: Never leave the mixed Griptop MD kit to stand for any length of time prior to application as this will considerably shorten its working time.

WORKING CONDITIONS

Griptop MD should not be applied at temperatures less than 10°C.

CURING

At 20°C, Griptop MD can be opened to heavy wheeled traffic after 24 hours. At the same temperature, it should be allowed to cure for five days before exposing it to chemical contamination (consult our Technical Department for details of curing times at other temperatures).

FINISHING

Whilst still wet, thoroughly spike roll the Griptop MD.

SLIP RESISTANT FINISHES

For advice on slip resistant surfaces please consult our technical department.

CLEANING

Once mixing, application and finishing are complete, tools can be cleaned with a suitable solvent.

PACKAGING

Griptop MD is available in 30 kg.

COVERAGE

Approximately 4 m² per kit at 4 mm thick.

SPECIFIED THICKNESS RANGE

4 - 6 mm.

STORAGE

Store at temperatures between 5°C and 30°C.

SHELF LIFE

Griptop MD has a shelf life of 6 months from date of manufacture if stored in unopened containers and under good conditions.

If these conditions are exceeded, DCP Technical Department should be contacted for advise.

CAUTIONS

HEALTH AND SAFETY

Consult the appropriate Material Safety Data Sheet prior to using each product.

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