

Griptop® LD

Flowable, trowel-applied polyurethane floor topping



DESCRIPTION

Griptop LD is a three-pack water based, flowable, polyurethane topping that provides floor surfaces with a cosmetically attractive matt finish.

Griptop LD is a trowel-applied coating for horizontal surfaces, offering excellent durability for both pedestrian and vehicular traffic. It also provides strong resistance to many chemicals commonly found in industrial environments (please consult DCP Technical Department for more details).

APPLICATIONS

Griptop LD is designed for use in a wide range of applications:

- › Food and beverage, pharmaceutical, and chemical industries.
- › General food, dairies, breweries, processing and manufacturing plants.
- › Chemical processing areas.

ADVANTAGES

- › Resistant to thermal shock and temperatures between -15°C to 60°C at 3 mm thickness.
- › 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.
- › Available in a wide range of colours.

STANDARD

Griptop LD complies with EN 13813, SR-B2.0-AR0.5-IR8.

METHOD OF USE

SURFACE PREPARATION

To be assured of maximum adhesion and properties from DCP's resin products the correct surface preparation is essential. The concrete substrate must be a minimum of 28 days old and the residual moisture content must be a maximum of 75% RH. The substrate should be sound with a minimum compressive strength of 25 N/mm² and a minimum pulloff strength of 1.5 N/mm². The surface must be clean, dry and free of contaminants such as dirt, oil, grease, coatings and surface treatments. If in doubt, apply a test area first.

Note: At lower temperatures the above cure times will be increased.

TECHNICAL PROPERTIES:

Mixed density:	1.80 ± 0.10 g/cm ³
Pot life:	20 - 30 min
Pedestrian traffic:	18 hr
Light wheeled traffic:	24 hr
Full traffic:	48 hr
Full cure:	7 days
Compressive strength: BS 6319-2	≥ 42 N/mm ² @ 28 days
Tensile strength: BS 6319-7	≥ 6 N/mm ² @ 28 days
Flexural strength: BS 6319-3	≥ 15 N/mm ² @ 28 days
Bond strength: ASTM D4541	≥ 2 N/mm ² @ 28 days (concrete failure)
Shore D hardness: ASTM D2240	≥ 80
BCA wear resistance: EN 13813	Class AR0.5 (≤ 0.05 mm)
Impact resistance: EN 13813	8 N.m
VOC:	≤ 20 g/ltr (based on a fully mixed unit) (comply with LEED)

Concrete substrates should be mechanically prepared using vacuum enclosed abrasive blast cleaning or diamond grinding equipment to remove laitance and previous surface treatments leaving an open textured surface.

Weak concrete must be removed and repaired using recommended DCP products. To ensure a good bond to the substrate, saw cut grooves that are twice as wide and twice as deep as the screed thickness. The grooves must be opened at a distance of 5 to 10 cm from coves and walls, running parallel to them.

Ensure that all pinholes and grooves in the prepared substrate are properly filled using suitable epoxy putty materials prior to the application of subsequent layers. This is crucial to prevent pinhole reflection.

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PRIMING

Prime the prepared surfaces using Strongcoat Primer applying the material at a nominal rate of 5 m² per Kg. Allow the primer to cure for a minimum of twelve hours @ 20°C.

Note: If the surface is porous it may be necessary to apply subsequent coats of the priming material until the substrate is fully sealed.

MIXING

Taking care to ensure that the bottom and sides are thoroughly scraped, transfer the entire contents of the Griptop LD 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 LD 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. Start the mixer and transfer to it the entire contents of the Griptop LD filler container, taking care to ensure that these are completely dry and lump-free. Continue mixing for approximately two minutes.

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

APPLICATION

Apply the mixed Griptop LD by straight edged steel trowel or pin rake to a thickness ranging between 2 and 4 mm. Within approximately 10 minutes roll the Griptop LD with a spike roller in order to de-aerate the material. When the material is sufficiently cured existing joints in the sub floor must be carried through into the Griptop LD screed.

LIMITATIONS

- » Product should be protected from other trades using Kraft paper or similar breathable material. Polythene should not be used.
- » Protect the installed floor from damp, condensation and water for at least twenty-four hours at 20°C.
- » Ensure that the ambient temperature remains above 10°C for at least twenty-four hours after installation.
- » Griptop LD is not UV stable. Yellowing will occur under UV exposure.
- » The substrate and uncured floor must be kept at at least 3°C above the dew point to reduce the risk of condensation or blooming on the surface.

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Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.

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CLEANING

Clean all equipment immediately after use with DCP Solvent.

PACKAGING

Griptop LD is available in 16 kg units.

COVERAGE

Approximately 3 m² per unit at 3 mm thick.

Note: Coverage is dependant on surface profile, texture, porosity and substrate temperature.

STORAGE

Store in dry conditions at temperatures between 15°C and 25°C.

SHELF LIFE

Griptop LD 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 advice.

CAUTIONS

HEALTH AND SAFETY

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

MORE FROM DON CONSTRUCTION PRODUCTS

A wide range of construction chemical products are manufactured by DCP which include:

- » Concrete admixtures.
- » Surface treatments
- » Grouts and anchors.
- » Concrete repair.
- » Flooring systems.
- » Protective coatings.
- » Sealants.
- » Waterproofing.
- » Adhesives.
- » Tile adhesives and grouts.
- » Building products.
- » Structural strengthening.



DCP Building Excellence

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