

# Griptop® LD

Flow applied polyurethane floor topping



## DESCRIPTION

Griptop LD is a medium duty flow applied flooring system with a seamless matt smooth finish. Based upon polyurethane technology it provides a surface with resistance to abrasion, chemical attack and other forms of physical aggression.

Griptop LD is available in two grades, Griptop LD medium duty flooring which is typically applied at thicknesses of between 2 and 3 mm and Griptop MD heavy duty flooring which is applied between 4 and 6 mm thickness.

## ADVANTAGES

- › Resistant to thermal shock and temperatures between -15°C to 60°C at 3 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.

## 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/mm<sup>2</sup> and a minimum pulloff strength of 1.5 N/mm<sup>2</sup>. 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.*

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.

## TECHNICAL PROPERTIES:

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

In order to ensure the finished system remains fully bonded to the sub-floor it is recommended that all terminating edges are rebated to produce a cross-section of 5 mm deep by 5 mm wide, running at 150 mm from and parallel with the walls i.e. day joints, movement joints, floor edges, door thresholds etc.

## Don Construction Products Ltd.

Helions Bumpstead Road, Haverhill CB9  
United Kingdom  
[info.uk@dcp-int.com](mailto:info.uk@dcp-int.com); [info@dcp-int.co.uk](mailto:info@dcp-int.co.uk)  
[www.dcp-int.com](http://www.dcp-int.com)





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## PRIMING

Prime the prepared surfaces using Strongcoat Primer applying the material at a nominal rate of 5 m<sup>2</sup> 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

Griptop LD is supplied as a three component product, each component being pre-weighed ready for use. Premix the coloured base component, then the contents of the curing agent container should be drained into the base component and the two materials thoroughly mixed.

The mixed liquid should then be poured into a clean suitably sized separate mixing container and the aggregate component slowly added under constant mixing until a uniform consistency has been achieved.  
Do Not Mix By Hand.

## APPLICATION

Apply the mixed Griptop LD by serrated trowel or pin rake to the required thickness. 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.

The ambient temperature of the works area should be a minimum of 15°C during the application and curing period, if not adhered to this can affect the colour and appearance of the system. Materials and substrate temperature must be above 15°C.

## 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.

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[www.dcp-int.com](http://www.dcp-int.com)

### 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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- » 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.

## CLEANING

Clean all equipment immediately after use with DCP Tool Clean.

## PACKAGING

Griptop LD is available in 27.3 kg unit.

## COVERAGE

Approximately 5 m<sup>2</sup> 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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