

# GRIPTOP LD

## Flow applied polyurethane floor topping



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### PRODUCT FEATURES

**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 3mm and Griptop MD heavy duty flooring which is applied between 4 and 6mm thickness.

### MATERIALS SUPPLIED

Griptop LD is supplied in a 27.3kg unit.

Griptop MD is supplied in a 25.9kg unit.

### COVERAGE

Griptop LD approximately 6.5 m<sup>2</sup> per unit at a thickness of 2mm.

Griptop MD approximately 3.2 m<sup>2</sup> per unit at a thickness of 4mm.

- **Coverage is dependant on surface profile, texture, porosity and substrate temperature**

### STORAGE

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

Do not expose to freezing conditions.

### SHELF LIFE

Griptop LD and Griptop MD have a maximum of twelve months shelf life (Resin Components) and three months shelf life (Aggregates) when stored in the original, unopened containers.

### 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 pull-off 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.

### TECHNICAL INFORMATION AFTER 28 DAYS @ 20°C

Compressive Strength	> 45 N/mm <sup>2</sup>
Tensile Strength	> 2 N/mm <sup>2</sup>
Bond Strength	> 1.50 N/mm <sup>2</sup> (Concrete Failure)
Shore D Hardness	82
Slip Resistance Pendulum Test to BS 7976-2	Dry > 50 Wet and antislip finish consult DCP technical department
VOC	< 10g/l Based on a fully mixed unit
Chemical resistance	Excellent general chemical resistance for specific reagents contact DCP technical department
Pot Life	15 Mins
Pedestrian Traffic	18 hours
Light Wheeled Traffic	24 hours
Full Traffic	48 hours
Full Cure	7 Days

**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. 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 5mm deep by 5mm wide, running at 150mm from and parallel with the walls i.e. day joints, movement joints, floor edges, door thresholds etc.

### 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. Pre-mix 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.
- 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 ToolClean.

## HEALTH & SAFETY

Avoid contact of the material with skin and eyes. Wear appropriate gloves, overalls and eye protection during use. Please refer to material safety sheet for additional information. For specific advice regarding any aspect of this product, please consult our technical section.

## GENERAL GUIDANCE

This Data Sheet is for general guidance purposes only and may contain information that is inappropriate for certain conditions of use. Accordingly, all recommendations and suggestions are made without guarantee. Further information is available from our Technical Department.

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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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