

# SpECtop LFC

SELF-LEVELLING CEMENT BASED FLOORING COMPOUND

## DESCRIPTION

**SpECtop LFC** is a two component product consisting of a bag of specially selected cements, graded sands and plasticisers and a liquid component, which is a blend of copolymers. When mixed, the product provides a smooth, self-levelling material, which can be laid to a feather edge.

## TYPICAL USES

**SpECtop LFC** provides a self-levelling, cement based underlay material for a wide range of floor finishes including carpets, tiles, vinyl sheet, linoleum and rubber sheet.

## ADVANTAGES

- Pre-measured components giving consistent performance
- Polymer modified to ensure excellent adhesion to prepared substrate
- Curing is not generally required
- Easy to lay and excellent early strength gain

## TECHNICAL DATA

### Typical results @ 25 °C

<b>Pot life</b>	10 minutes
<b>Flow (BS 890 Cone)</b>	>30 cm
<b>Compressive strength</b>	
28 days	20.0 N/mm <sup>2</sup>
56 days	26.0 N/mm <sup>2</sup>
<b>Typical thickness</b>	from feather edge up to 10mm

## APPLICATION

### Surface preparation

It is essential that adequate preparation is carried out prior to the application of **SpECtop LFC**. Light sweep blasting is recommended to ensure the removal of all laitance, grease and oil.

## Priming

The substrate must be primed using **SpECtop LFC Primer** at the rate of 5-7 m<sup>2</sup>/litre. On very porous substrates it may be necessary to apply a second coat of primer if absorption is noted to be high. The primer/sealer must completely seal the floor or air release will cause bubbles to form in the **SpECtop LFC**.

Allow the primer to become touch dry.



## Mixing

**SpECtop LFC** is supplied as a two component pack consisting of a liquid component and a powder component.



Add approximately 50% of the liquid component to a clean 25 litre steel drum and gradually add the powder whilst mixing using a slow speed heavy duty drill fitted with a suitable

mixing paddle (**SpEC Technical Department** can advise). Mix for 2 minutes. Slowly add the remaining liquid whilst mixing and continue mixing for a further 2 minutes.

## Application

Pour the mixed product onto the primed substrate and spread using a squeegee or a pin screed. The material must then be rolled using a spiked roller

with spikes of a length greater than the depth to be laid. There should be no delay between levelling the product and spike rolling. Troweling is not required. For large areas good site organisation is essential and the use of a grout pump may prove beneficial. **SpEC Technical Department** can advise of the types of pump available.

#### **CURING**

Curing is generally not required but in conditions of drying winds and high ambient temperatures the freshly hardened surface should be cured with a sealed polyethylene sheet.

The product should be allowed to cure for 72 hours @ 25°C when followed by carpets, thermoplastic tiles etc.

#### **EQUIPMENT CLEANING**

All equipment may be cleaned with water but cured material can only be removed by mechanical means.

#### **APPLICATION TEMPERATURE RANGE**

<b>Minimum</b>	5 °C
<b>Maximum</b>	35 °C

#### **PACKAGING & YIELD**

**SpECTop LFC** is supplied as a two product component weighing 21.6kg with a yield of 11 litres.

**SpECTop LFC Primer** is supplied in 5 and 20 litre packs with a coverage rate of 5 m<sup>2</sup>/litre.

#### **STORAGE & SHELF LIFE**

When stored in a cool environment, in original unopened containers, the material has a shelf life of 12 months.

#### **HEALTH & SAFETY**

The product is non-toxic but is mildly alkaline. Gloves should be worn during use. Splashes to the skin should be washed with clean water. Accidents splashes to the eyes should be washed with water but should prolonged irritation occur, medical advice should be sought.

#### **FLAMMABILITY**

**SpECTop LFC** and **SpECTop LFC Primer** are non-flammable.

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