



# FLOORING

## TECHNICAL DATA SHEET

# Professional SLC2500 External

**RAPID DRYING**

**SINGLE PACK**

**5 TO 15MM IN ONE APPLICATION**

**PROTEIN-FREE**

**HARD WEARING FINISH**

**SLIP RESISTANT FINISH**

**EXTERNAL USE**

Professional SLC 2500 External is a single pack, fast drying, hand or pump applied cement-based levelling topping designed to eliminate surface irregularities and smooth internal and external concrete surfaces exposed to industrial traffic. It is manufactured from a controlled blend of special sands, cements and synthetic polymers to give a high-quality flooring product which is self-levelling and smoothing, dimensionally stable and fast drying allowing vehicular traffic after 48 hours. Professional SLC 2500 is designed for application between 5 and 15 mm to provide an exterior wearing surface.



For further information, consult our Technical Department.

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## TECHNICAL DATA SHEET

### PRODUCT INFORMATION

FORM	Powder
COLOUR:	Grey
HAZARD INFORMATION	Consult Safety Datasheet before use
CLEANING	Clean tools, equipment etc. using warm water. Mechanical means are necessary when the product has set.
PACKAGING	25 kg multiwall, sealed paper sacks
STORAGE INSTRUCTIONS	Store in sealed containers in dry conditions, protected from extremes of temperature
SHELF LIFE	6 months in unopened manufacturer's packaging

### APPLICATION INFORMATION

MIX PROPORTIONS:	Mix 25 kg pack with approx. 4.5 – 5 L water
POT LIFE:	Approx. 30 minutes @ 20°C
APPLICATION TEMPERATURE:	+5°C to +30°C
BED THICKNESS:	5 to 15 mm
TIME TO TRAFFIC:	Light Foot Traffic - after 2 - 4 hours Full Traffic - after 1 - 2 days Covering - after 1 - 2 days (depending on depth and site conditions)
COVERAGE	Approx 3 m <sup>2</sup> / 25 kg pack @ 5 mm

### PERFORMANCE INFORMATION

SHRINKAGE:	< 0.06%
COMPRESSIVE STRENGTH:	> 30 MPa
FLEXURAL STRENGTH:	> 7 MPa
CLASSIFICATION:	EN13813 - CT-C30-F7-RWA20

## DIRECTIONS FOR USE

### Preparation

Do not install if rain is expected within 8 hours or if freezing temperatures are expected within 24 hours. Protect working areas from dirt and debris until material has hardened. Surface must be concrete or screed and must be suitable to receive the screed as per current good working practices. The substrate must be sound, thoroughly clean concrete or screed. Heavily trafficked areas or old or damaged substrates should be suitably prepared (enclosed grit/shot blasting or high pressure water jetting) to provide a suitable mechanical key. All residues must be removed to provide a dry, dust free open textured surface free from laitance, surface treatments and other contamination. Air and substrate temperatures must be >5°C. The surface tensile strength of the substrate should be a minimum of 1.0 MPa.

### PRIMING

It is not usually necessary to prime non-absorbent surfaces. However, to ensure satisfactory bonding, the prepared surface should be dampened down to minimize pinholing. Ensure that the surface is in a saturated surface dry condition, i.e. no visible surface water, prior to application.

### MIXING

Add 4.5-5 L of clean water per 25 kg bag (sufficient to achieve target flow without bleed or settlement). Mix with a heavy-duty drill and paddle for 1-2 minutes or with a suitable continuous mixer/pump. Excess water will cause a loss of strength.

### APPLICATION

Pour or pump the mixed product onto the prepared surface and allow the material to attain the required level. The mix has a working time of 30 minutes @20°C. Where necessary, release air bubbles with a trowel or spiked roller. This practice must be carried out within 5 – 10 minutes of application. SLC 2500 External can be applied from 5-15 mm. For isolated thickness of up to 50 mm mix 25 kg SLC 2500 with 12.5 kg clean dry 3-6 mm aggregate. To lay SLC 2500 External to falls, add sufficient water to reach a trowellable consistency

### SEALING

SLC 2500 External does not generally require sealing. If extra protection is required, any of Larsen sealers suitable for use on concrete can be applied, for example Acrylic Concrete Sealer.

## DIRECTIONS FOR USE (continued)

### JOINTS

Ensure all joints subject to movement are carried up through the SLC 2500 and filled with a suitable joint sealant. Any large or structural cracks should be repaired prior to application of SLC 2500 to reduce the risk of reflective cracking in the topping.

### RESTRICTIONS

SLC 2500 External should not be applied to flexible surfaces, brick paving, bitmac or asphalt. Do not place when substrate temperatures are below 5°C or ambient temperatures are below 10°C and falling. Do not apply if ambient temperatures are above 25°C. Extra water should not be added to the mix. If the material thickens before it is applied it should be discarded. Protect from direct sun when applying and curing. Do not apply in excessively windy conditions. Do not apply during rain or when rain is forecast. Protect from frost. Do not exceed the maximum recommended water content.