

VERSION: 03

ISSUED: NOV 2024

LARSEN

FLOORING

TECHNICAL DATA SHEET

PROFESSIONAL SLC2000 INDUSTRIAL

SINGLE PACK

SELF-LEVELLING

5-30 MM IN ONE APPLICATION

FAST DRYING – APPLY MOISTURE

SENSITIVE FINISHES AFTER 24 HOURS

HARD-WEARING FINISH

FOOT TRAFFIC IN 2 - 4 HOURS

CT-C30-F7-RWA20



Professional SLC 2000 Industrial is a single pack, fast-drying, hand or pump-applied, cement-based levelling screed for the renovation of concrete floors. 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. For use in fast track commercial and industrial situations where a wearing finish is required or when finishes need to be applied quickly. It is ideal for warehouses, production areas and similar areas where a hardwearing level finish is required. SLC 2000 Industrial can be over-coated with epoxy coatings, etc. to further improve abrasion resistance, aesthetics and chemical resistance.



For further information, consult our Technical Department.

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TECHNICAL DATA SHEET

PRODUCT INFORMATION

FORM	Powder
COLOUR:	Grey
HAZARD INFORMATION	IRRITANT – Consult Safety Datasheet before use
CLEANING	Clean tools, equipment, etc. using warm water. Mechanical means are necessary when the product has set.
PACKAGING	25kg 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. 4-4.5L water
POT LIFE:	Approx. 30 minutes @ 20°C
APPLICATION TEMPERATURE	+5°C to +30°C
BED THICKNESS	5 to 30 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 1.6 m ² / 25 kg pack @ 10 mm

PERFORMANCE INFORMATION

SHRINKAGE	<0.06%
COMPRESSIVE STRENGTH	≥40 MPa
FLEXURAL STRENGTH	≥7 MPa
CLASSIFICATION	EN13813 - CT-C30-F7-RWA20

DIRECTIONS FOR USE

PREPARATION

The building must be weather tight prior to the placing of any screed material: the roof; external doors and windows must be in place and closed or covered and taped to prevent draughts. All substrates must be suitable to receive the screed as per current good working practices. Consult our substrate preparation guide for full details before use. The substrate must be sound, thoroughly clean concrete or screed. Heavily trafficked areas should be mechanically prepared to provide a suitable mechanical key. All residues must be removed to provide a dry, dust free open textured surface free from laitance, old adhesive and other contamination. Air and substrate temperatures must be >5°C. RH of the floor must be <95% generally and <75% when moisture sensitive finishes are to be laid (if >75%, Larsen DPM should be applied to the substrate). When layers of >30mm are required, first apply a base coat of Larsen SLC1550 or SLC 1500.

PRIMING

HEAVY TRAFFIC AREAS - Prime the substrate with one coat of Larprime EU with a sand scatter (2kg/m² dry, clean sand 0.6-1.2mm applied into the wet primer with excess removed by vacuum when primer has cured).

LIGHT TRAFFIC AREAS - Substrate should be primed with Larsen Acrylic Primer diluted 1:1 with clean water. Porous substrates should be primed with Acrylic primer diluted 1:1 followed by Acrylic primer applied neat.

EXISTING LEVELLING COMPOUNDS (e.g. SLC1900 BASE) - should be primed with 1 coat of Acrylic primer diluted 1:1 followed by Acrylic primer applied neat. Acrylic primer should be allowed to dry before applying SLC 2000. If Acrylic primer has been left for more than 48 hours, a fresh application is required.

MIXING

Add 4.5-5L of clean water per 25kg 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.

DIRECTIONS FOR USE (continued)

PREPARATION (continued)

APPLICATION

Pour or pump the mixed product over the floor. SLC 2000 will level out to a smooth finish. Where necessary, release air bubbles with a trowel or spiked roller. This practice must be carried out within 5 – 10 minutes of application. SLC 2000 can be applied from 5-30mm. The screed must be protected from draughts within the first 6 hours, if necessary, doorways and windows should be taped up with polythene. Subsequently, ensure the room has sufficient ventilation to allow the screed to dry out. After installation protect the screed from following trades. SLC 2000 will accept foot traffic after 2 - 4 hours. Floor coverings can be installed after 24 - 48 hours depending on thickness of SLC 2000, substrate and site conditions. Should any trowel marks remain, remove with a wet trowel after 1-1½hrs. SLC 2000 Industrial is suitable for use over underfloor heating systems.

RESTRICTIONS

SLC 2000 Industrial should not be applied to flexible surfaces. Room and substrate temperatures should be above 5°C during application. All work should be carried out to current best practice, trade body advice and BS8204. SLC2000 Industrial is suitable for use over underfloor heating systems. Room and substrate temperatures should be above 5°C during application. Drying times are dependent on screed thickness and site conditions. Always test moisture contents before laying impervious floor coverings. Protect surface from draughts, strong direct sunlight and following trades until covered. Excess water when mixing will reduce overall strength.