

VERSION: 02

ISSUED: NOV 2024

LARSEN

FLOORING

TECHNICAL DATA SHEET

SLC 1500 COMMERCIAL

SINGLE PACK

SELF-LEVELLING

UP TO 25mm IN ONE APPLICATION

FAST DRYING – APPLY MOISTURE

SENSITIVE FINISHES AFTER 24 HOURS

PROTEIN FREE

FOOT TRAFFIC IN 2 - 4 HOURS

BS EN 13813 CT - C30 - F7



Professional SLC 1500 Commercial is a single pack, fast-drying, hand or pump-applied cement-based underlayment. 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 domestic and commercial situations, such as, where levelling of up to 25mm is required, or when finishes need to be applied quickly. It is ideal for offices, dwellings, schools, hospitals, airports, etc. and is suitable for use over underfloor heating. SLC1500 should be overlaid with a suitable resilient floor finish (e.g. carpet, ceramic tiles, vinyl, resin coatings, etc).



For further information, consult our Technical Department.

Belfast 028 9077 4000 Birmingham 028 9053 5409 Dublin 01 8348255

LarsenBuildingProducts.com



TECHNICAL DATA SHEET

PRODUCT INFORMATION

FORM	Grey granular powder
MAXIMUM AGGREGATE SIZE:	0.6 mm
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

WATER DEMAND:	5 L per 25kg bag
APPLICATION TEMPERATURE	+5°C to +30°C
WORKING TIME:	Approx. 60 minutes
TIME TO TRAFFIC	Light Foot Traffic - after 2 - 4 hours Full Traffic - after 1 - 2 days Covering - after 1 - 2 days
BED THICKNESS	Up to 25mm (4 - 25mm when pumped)
COVERAGE	25kg will cover 1m ² @ 12.5mm

PERFORMANCE INFORMATION

SETTING TIME (VICAT):	Start: 85 minutes; End: 100 minutes
SHRINKAGE	<0.06%
SCREED STRENGTH CLASS (BS EN 13813):	CT – C30 –F7
SCREED COMPRESSIVE STRENGTH*:	30 MPa
SCREED FLEXURAL STRENGTH*:	7 MPa
BOND STRENGTH*	>1 MPa

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, closed or covered, and taped to prevent draughts. All substrates must be suitable to receive the screed as per current good working practices. The substrate must be structurally sound concrete or screed, and be thoroughly clean, dry, and free from laitance or other contaminants which may impair adhesion. Suitable mechanical preparation of substrate may be required. Air and substrate temperatures must be greater than 5oC. Relative Humidity value of the floor must be less than 75% when moisture sensitive finishes are to be laid onto the SLC 1500. PRIMING Normal concrete/screed requires priming with Acrylic primer, diluted 1:1 with clean water. Particularly porous concrete/screed requires priming with Acrylic primer diluted 1:1 with clean water followed by a coat of Acrylic primer applied neat. If the relative humidity value of the floor is greater than 75%, Larsen DPM should be used – Apply two coats as directed with the dry sand (0.7 -1.2mm) scatter into the wet second coat at a rate of 2 kg/m² (with the excess removed by vacuuming). For thickness of >25mm or heavy traffic areas, consult Technical Department for advice.

MIXING

Add 4.75 -5.25L 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.

APPLICATION

Pour or pump the mixed product over the floor. SLC 1500 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 1500 can be applied up to 25mm (min 4mm when pumping). For thickness of >25mm, consult Technical Department for advice. 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.

DIRECTIONS FOR USE (continued)

APPLICATION (continued)

SLC 1500 will accept foot traffic after 2 - 4 hours. Floor coverings can be installed after 24 - 48 hours depending on thickness of SLC 1500, substrate and site conditions. Should any trowel marks remain, remove with a wet trowel after 1-1½hrs.

RESTRICTIONS

All work should be carried out to current best practice, trade body advice and BS8204. Prof SLC 1500 Commercial is not suitable for industrial use, should not be applied to flexible surfaces and cannot be used as a final wearing surface. Prof SLC 1500 Commercial 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. Freshly laid screed should be protected from rapid drying as result of draughts, strong direct sunlight or similar.