

PROFESSIONAL SLC 1900 BASE



Professional SLC 1900 Base is a single pack, economical, fast-drying, hand or pump-applied cement based levelling screed to level thicker sections economically. 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. Suitable for use in fast track commercial and industrial situations. Depending on the floor finish and duty, the application of subsequent levelling compounds may be required.

SINGLE PACK
SELF-LEVELLING
5-50MM IN ONE APPLICATION
FAST DRYING – APPLY MOISTURE SENSITIVE
FINISHES AFTER 24-72 HOURS
ECONOMICAL
FOOT TRAFFIC IN 2 - 4 HOURS
BS EN 13813 CT – C25 – F6



TECHNICAL INFORMATION:

PRODUCT INFORMATION	
FORM:	Grey Granular Powder
MAXIMUM AGGREGATE SIZE:	3.0 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 multi-wall paper sacks
STORAGE CONDITIONS:	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:	4.5 - 5 L per 25kg bag
APPLICATION TEMPERATURE:	+5°C to +30°C
WORKING TIME:	Approx. 60 minutes
TIME TO TRAFFIC: (depending on thickness and site conditions)	Light Foot Traffic - after 2 - 4 hours Full Traffic - after 1 - 2 days Covering - after 1 - 3 days
BED THICKNESS:	5 – 50mm
COVERAGE:	~1.25m ² per 25kg @ 10mm
PERFORMANCE INFORMATION <small>*Typical Results to BS EN 13813</small>	
SETTING TIME (VICAT):	Start: 85 minutes; End: 95 minutes
SHRINKAGE*:	<0.06%
SCREED STRENGTH CLASS (BS EN 13813):	CT – C25 –F6
SCREED COMPRESSIVE STRENGTH*:	25 MPa
SCREED FLEXURAL STRENGTH*:	6 MPa
BOND STRENGTH*:	> 1MPa

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 $>5^{\circ}\text{C}$. 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).

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.

MIXING

Add 4.5 -5.0L 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 1900 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 1900 can be applied from 5-50mm. 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 1900 will accept foot traffic after 2 - 4 hours. Should any trowel marks remain, remove with a wet trowel after 1-1½hrs. Floor coverings can be installed after 24 - 72 hours depending on thickness of SLC 1900, substrate and site conditions. Subsequent levelling compounds can be applied after 24-48 hours. SLC 1900 Base is suitable for use over underfloor heating systems.

SUBSEQUENT LAYERS

Thick floor finishes, including carpet, tiling or timber flooring may be applied directly to the SLC1900 Base. (A thin layer of suitable underlayment may be required depending on the finish to be applied.) When thin floor coverings including epoxy coatings are to be applied, the SLC1900 Base should be overlaid with a suitable levelling compound. In light traffic areas SLC1500 Commercial should be applied. In industrial or heavy traffic areas, SLC2000 Industrial should be applied.

When overlaying SLC1900 Base with subsequent levelling compounds, prime with 1 coat of Acrylic primer diluted 1:1 followed by Acrylic primer applied neat. Acrylic primer should be allowed to dry before applying levelling compound. If Acrylic primer has been left for more than 48 hours, a fresh application is required.

RESTRICTIONS

All work should be carried out to current best practice, trade body advice and BS8204. SLC 1900 Base should not be applied to flexible surfaces. Room and substrate temperatures should be above 5°C during application. Care should be taken when applied at thicker sections to ensure levelling, spike rolling and maintenance of the wet edge can be achieved within the setting characteristics of the product. Drying times are dependent on screed thickness and site conditions. Always test moisture contents before laying impervious floor coverings.