



FLOORING

TECHNICAL DATA SHEET

SLC106 OPL

ONE PACK LATEX (OPL)

SELF-LEVELLING

UP TO 6MM IN ONE APPLICATION

FAST DRYING – APPLY MOISTURE SENSITIVE FINISHES AFTER 24 HOURS

PROTEIN-FREE

FOOT TRAFFIC IN 2 - 4 HOURS

BS EN 13813 CT – C20 – F5



Professional SLC 106 OPL is a single pack latex, 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 6mm 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. SLC 106 OPL must be overlaid with a suitable resilient floor finish (e.g. carpet, ceramic tiles, vinyl, etc).



For further information, consult our Technical Department.

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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 (depending on site conditions)	Light Foot Traffic - after 2 - 4 hours Full Traffic - after 1 - 2 days Covering - after 1 - 2 days
BED THICKNESS:	Up to 6mm (3 – 6mm when pumped)
COVERAGE	25 kg will cover 2.3 m ² @ 6mm

PERFORMANCE INFORMATION

SHRINKAGE*:	<0.02%
SCREED STRENGTH CLASS (BS EN 13813):	CT – C20 –F5
SCREED COMPRESSIVE STRENGTH*:	20 MPa
SCREED FLEXURAL STRENGTH*:	5 MPa
BOND STRENGTH*	>1 MPa

*Typical Results to BS EN 13813

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 5°C. Relative Humidity value of the floor must be less than 75% when moisture sensitive finishes are to be laid onto the SLC 106 OPL.

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 >6mm 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 106 OPL 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 106 OPL can be applied up to 6mm (min 3mm when pumping). For thickness of >6mm 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.

DIRECTIONS FOR USE (continued)

APPLICATION (continued)

After installation protect the screed from following trades. SLC 106 OPL will accept foot traffic after 2 - 4 hours. Floor coverings can be installed after 24 - 48 hours, depending on thickness of SLC 106 OPL, 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 106 OPL is not suitable for industrial use. It should not be applied to flexible surfaces, and cannot be used as a final wearing surface. Prof SLC 106 OPL 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.