

VERSION: 03

ISSUED: NOV 2024

LARSEN

FLOORING

TECHNICAL DATA SHEET

Self Levelling Compound Fast

ULTRA RAPID DRYING

SINGLE PACK

UP TO 15MM IN ONE APPLICATION

PROTEIN-FREE

FIBRE-REINFORCED

**FOOT TRAFFIC IN 30min /
COVER in 1hr**

Professional SLC3015 Fast is a single pack, ultra-rapid setting, fibre-reinforced, underlayment. It is manufactured using Larsen's proprietary cement technology, with a controlled blend of special sands 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, with walk-on times of as little as 30min and covering possible within 1 hour. It is also ideal over underfloor heating and timber floors. SLC3015 provides the ultimate in fast track levelling and can be overlaid with a suitable resilient floor finish, carpet, ceramic tiles, vinyl, resin coatings, etc. It is ideal for offices, dwellings, schools, hospitals, airports, et



For further information, consult our Technical Department.

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LarsenBuildingProducts.com



TECHNICAL DATA SHEET

PRODUCT INFORMATION

FORM	Powder
COLOUR:	Buff
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	20kg 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 20 kg pack with approx. 4-4.5L water
POT LIFE:	Approx. 15 minutes @ 20°C
APPLICATION TEMPERATURE	+5°C to +30°C
BED THICKNESS	Up to 15mm
TIME TO TRAFFIC	Light Foot Traffic - after 30 min Full Traffic - after 1 hour Covering - after 1 hour (depending on depth and site conditions)
COVERAGE	Approx 4.5m ² / 20kg pack @ 3mm

PERFORMANCE INFORMATION

SHRINKAGE	<0.06%
COMPRESSIVE STRENGTH	≥35MPa
FLEXURAL STRENGTH	≥10MPa
CLASSIFICATION	EN13813 - CT-C35-F10

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 structurally stable and free from deflection or excess movement, it may be composed of: sound concrete or screed; suitable timber; ceramic tiling; or existing resilient flooring. It must be thoroughly clean, dry, and free from laitance, grease, oils, paint, 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% and a functioning DPM in place when moisture sensitive finishes are to be laid onto the SLC3015 Fast. Existing movement joints should be carried through the SLC3015 Fast, preferably with proprietary joints. When applying over heated screeds a suitable 5-10mm PE foam expansion strip should be fitted to the full depth of screed around the entire perimeter of the floor. It is recommended to install movement joints where there is a step change in depth or a significant change in substrate.

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. DPM may be primed when cured with Larsen Primer Grip 360. Timber floors must be free from deflection and be suitably stable. Existing floorboards should be overlaid with minimum 15mm exterior grade plywood, screw fixed at 300 mm centres. OSB may be used on floors but must be flooring grade, rigid and screw fixed at 300mm centres, the surface should be sanded to remove any wax or similar treatment and then primed. WBP plywood may be used but due to the variability in quality, extra care should be taken. It is recommended that WBP sheets are sanded and primed. Edges of all timber sheets should be supported by joists or studs and where possible timber sheets should be tongue and groove. In wet areas timber should be suitably tanked. All timber substrates should be primed with one coat of Larsen Primer Grip 360. In all cases, allow primer to dry before applying SLC3015 Fast.

DIRECTIONS FOR USE (continued)

PREPARATION (continued)

MIXING

Due to the rapid setting characteristics, take care to ensure product can be mixed and applied continuously so as not to create a cold joint in the floor. Add approx 4-4.5L of clean water per 20kg bag (sufficient to achieve target flow without bleed or settlement). Mix with a heavy duty drill and paddle for 1-2 minutes. Excess water will cause a loss of strength and the risk of bleeding or a weak finish.

APPLICATION

Pour the mixed product over the floor. SLC3015 Fast will level out to a smooth finish. Where necessary, release air bubbles with a trowel or spiked roller. This practice must be carried out quickly, within 3-5 minutes of application. SLC3015 Fast can be applied up to 15mm. Should any trowel marks remain, remove with a carborundum stone after ½ - 1hr.

DRYING

Drying is dependent on the application thickness, absorbency of the substrate, substrate temperature and site temperature and relative humidity. Typically SLC3015 FAST can be walked on after 30min and adhesives can be applied onto the surface as soon as it is sufficiently hard not to be damaged by the trowel. This is usually after approx 45 minutes but may take longer depending on site conditions and when applied onto DPM or other non-absorbent substrates.

RESTRICTIONS

All work should be carried out to current best practice, trade body advice and BS8204. Prof SLC3015 FAST is not suitable for industrial use, should not be applied to flexible surfaces and cannot be used as a final wearing surface. SLC3015 FAST 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.