

SL C510 PRO

HEAVY-DUTY SELF-LEVELLING COMPOUND FOR USE ON INTERNAL FLOORS

KEY BENEFITS

- **Very high mechanical resistance with no shrinkage**
- **Suitable for supermarkets and hypermarkets**
- **No sanding**



APPLICATIONS

DESTINATION

SL C510 PRO self-levelling compound is suitable for use in both new-build and renovation projects. Can be used in areas that are subject to high levels of foot traffic. For interior use only

Areas of applications :

New work

- Surfaced concrete with a neat face
- Concrete with embedded screed
- Built-in screed
- Heated floors
- Asphalt screed

Renovation

- Old tiles, terracotta tiles, etc.
- Old traces of glue
- Old semi-flexible tiles
- Old floor paints

Associated floor coverings :

- PVC coverings, LVT
- Linoleum, rubber
- Carpet, Textile
- Tiling
- Hardwood

PRODUCT CHARACTERISTICS

Colour	Grey
Composition	Powder based on hydraulic binders, mineral fillers and special additives
Mixing ratio	6 liters of water per 25 kg bag
Storage / Shelf life*	9 months
Application temperature	+5°C to +30°C
Application thickness	1-20 mm
Coverage	1.5 kg/mm/m ²
Working time**	20 min
Walk on time**	2 hours
Curing time / Floor installation**	Tiling : 24h PVC, linoleum, rubber : 48-72h Wood floor : 48-72h Floor paint : 48-72h
Compressive strength	C30
Flexural strength	F7

*from date of manufacture in original, unopened packaging, clear of the ground, in cool, dry conditions within the temperature range +5°C to +25°C and out of direct sunlight. Protect from frost, damp, condensation and dew.

**these times are determined at + 23° C and 50 % relative humidity on normally absorbent substrates

DIRECTIONS FOR USE

PREPARATION

Subfloor :

Ensure the subfloor is in accordance with building standards. Subfloors must be clean, sound, dry (<75%RH), and free from contaminants that may impair adhesion e.g. dust, grease, paint, plaster, polish, water softenable adhesive etc.

Check any remaining adhesive residues to ensure they are not water softenable, are hard, sound, and have sufficient cohesive strength to receive a levelling compound.

Mechanically cut back any hard adhesives residues to a minimum. Remove any weak or water softenable adhesives.

Tiles must firmly adhere to the base, re-fix them if necessary. If the floor tiles are easily removable, remove them completely.

The temperature of the floor must be maintained between +5°C to +25°C throughout the application and drying of the smoothing compound.

Cracks smaller than 0.8 mm as well as joints should be treated with RENO E742 STRUCTURE, which should be sanded with S409 sand.

If the supports do not have the required humidity level, implement our anti rising damp proof membrane HYTEC E336.

Underfloor heating systems :

Underfloor heating systems must be switched off for 48 hours before installation. Wait 7 days after installation before gradually turning up underfloor heating.

Refer to the CPT, DTU or technical notice to check the surfaces. Here are some recommendations extracted from these documents :

	SURFACE	SPECIFIC PREPARATIONS AND VERIFICATIONS
NEW	Concrete slab	Elimination of the cure product
	BAP Fluid cement screed	
	Calcium sulfate screed	Measurement of residual moisture
	Heated and/or cooled floors + ERP	Check that the heating has been carried out
RENOVATION	Tiles	Cleaning with water and soda lye, followed by rinsing with clear water
	Semi-flexible slab without asbestos	
	Traces of acrylic glue	Remove as much as possible by scraping
	Traces of asbestos-free bituminous glue	Remove excess thicknesses >0.5mm or total removal
	Floor paint	Sanding to restore roughness then cleaning same as tiles
	Floor resin	Sanding then same as floor paint
	Parquet on joists	Elimination of waxes and varnishes followed by dusting by aspiration
	Wood-based panels	Check that there is no arrow
Asphalt screed	No cracks	

TYPE OF SURFACE		PRIMERS	CONSUMPTION
Concrete cement screed	Porous	Grip A310 PROJECT GRIP A320 BASIC PRIMROXOL PRIMACRYL	100-120 g/m ² /layer
	Normally absorbent	GRIP A700 UNIVERSAL PRIMAPRENE UNIDUR N GRIP A500 MULTI GRIP A310 PROJECT GRIP A320 BASIC PRIMROXOL PRIMACRYL	100-120 g/m ²
	Closed	GRIP A700 UNIVERSAL PRIMAPRENE UNIDUR N GRIP A500 MUTL	80-100 g/m ²
Calcium sulfate screed		GRIP A700 UNIVERSAL PRIMAPRENE UNIDUR N GRIP A500 MULTI GRIP A310 PROJECT	100-120 g/m ² /layer
Tile		GRIP A700 UNIVERSAL PRIMAPRENE UNIDUR N GRIP A500 MULTI	100-120 g/m ²
Traces of gluing			
Residue from patching			
Semi-flexible tiles			
Paint		GRIP A936 XPRESS	80-100 g/m ²
Resin		GRIP A936 XPRESS	80-100 g/m ²
Parquet on joist		GRIP X910 FILL & WOOD	0,8-1 kg/m ²
CTBX-CTBH-0583 panels		GRIP X910 FILL & WOOD	0,6-0,8 kg/m ²
Asphalt screed		GRIP A936 XPRESS	100-120 g/m ²

MIXING

Measure 6 liters of clean, cold water into a clean mixing bucket. Gradually add the bag of Bostik SL C510 PRO to the water, whilst continually mixing with an electric drill and mixing paddle until a smooth lump-free mixture is obtained. This will normally be achieved after 2 minutes. Do not under mix.

After mixing, a maturing time of at least 1 minute is recommended to optimise the flow. Remix for 30 seconds.

The mixture will retain its self-smoothing capability for approximately 20 minutes under normal conditions.

Note: the addition of too much water may result in separation of the compound.

APPLICATION

Application thickness :

A depth of 1mm to 20mm is permissible in a single application. For depths above 20mm, the product needs to be used as a blended compound and treated as a mortar.

If a second application of Bostik SL C510 PRO is required, this can be carried out once it is ready to take foot traffic.

DIRECTIONS FOR USE

Trowel application :

Pour the mixed material onto the prepared substrate to a thickness between 1mm and 20mm.

Using a smooth edge stainless steel trowel, smooth over the wet product to gain the desired thickness and smoothness. A pin level may be used to assist in gaining the required depth. Use a spiked roller to remove any trapped air and flow lines, to give a uniform surface appearance.

Pump application :

Where large floor areas require levelling, it is beneficial to apply Bostik SL C510 PRO by mortar screw pump. Application rates in excess of 200m² per hour at 5mm or 300m² per hour at 3mm are achievable by pump application. Care should be taken when pumping to undertake periodic flow tests of the compound, from the end of the hose. Flow test results should be 130-140mm when using an EN 12706 flow tube.

DRYING TIME

Protected from strong sunlight and through draughts as this can dehydrate the product resulting in incorrect curing.

Foot Traffic :

The compound will accept foot traffic after 2 hours at +25°C (approx.). In lower temperatures, this will be extended.

Floor installation :

The curing time depends on how absorbent the subfloor is, the ambient & the floor temperature and the humidity :

Ceramic tile / textile floor coverings:	24 hours at +25°C
Resilient floor coverings (PVC, linoleum, rubber):	48-72 hours at +25°C
Wooden floor coverings:	48-72 hours at +25°C
Floor paint:	48-72 hours at +25°C

CLEANING

Clean tools and equipment with warm soapy water immediately after use.

Code	UC	PCB	PALLET	GENCOD
30615449	25 kg	1	48	3549212484644

SAFETY

For more details, consult the safety data sheet on <https://bostiksd.thevercs.com/default.aspx>

The information given and recommendations made herein are based on Bostik's research only and are not guaranteed to be accurate. The performance of the product, its shelf life, and application characteristics will depend on many variables, including the kind of materials to which the product will be applied, the environment in which the product is stored or applied, and the equipment used for application. Any change in any of these variables can affect the product's performance. It is the buyer's obligation, prior to using the product, to test the suitability of the product for an intended use under the conditions that will exist at the time of the intended use. Bostik does not warrant the product's suitability for any particular application. The product is sold pursuant to Bostik's Terms and Conditions of Sale that accompanies the product at the time of sale. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute permission, inducement, or recommendation to practice any invention covered by any patent, without authority from the owner of the pat

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