

SL C320 ARDASOL

STANDARD SELF-LEVELLING COMPOUND FOR USE ON INTERNAL FLOORS

KEY BENEFITS

- **Pumpable and self-levelling**
- **Excellent smooth surface finish**
- **No shrinkage**



APPLICATIONS

DESCRIPTION

SL C320 ARDASOL levelling compound is suitable for smoothing and levelling of uneven subfloors before laying decorative floor coverings.

DESTINATION

Bostik SL C320 ARDASOL is suitable for use in both new-build and refurbishment projects and can be applied by trowel or pump applications. It can be used in areas that are subject to moderate and high levels of foot traffic and should always be covered with a floor covering.

It is also suitable for use with warm water underfloor heating systems where the floor surface temperature does not exceed +27°C.

Areas of applications :

New work

- - Surfaced concrete with a neat face
- - Concrete with embedded screed
- - Built-in screed
- - Hot water and cooling floor heating

Renovation

- - Old tiles, terracotta tiles, terracotta...
- - Traces of glue
- - Old smoothing plaster class P3

Associated floor coverings :

- Linoleum, rubber and tiling
- Parquet/Wood floors
- Plastic and textile coverings

PRODUCT CHARACTERISTICS

Colour	Light grey
Composition	Synthetic resin modified with powder cement
Mixing ratio	6 liters of water per 25 kg bag
Storage / Shelf Life*	9 months
Application temperature	+10°C to +25°C
Application thickness	1-10 mm
Coverage	1.5 kg/mm/m ²
Working time**	20 min
Walk on time**	4-6h
Curing time / Floor installation**	Tiling : 24h PVC, linoleum, rubber : 48-72h Wood floor : 72h
Compressive strength	C20
Flexural strength	F6

*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	
	BAP Fluid cement screed	Elimination of the cure product
	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
	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

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
	Tile	GRIP A700 UNIVERSAL PRIMAPRENE UNIDUR N GRIP A500 MULTI	100-120 g/m ²
Traces of gluing			
Residue from patching			

MIXING

Measure 6 liters of clean, cold water into a clean mixing bucket. Gradually add the bag of Bostik SL C320 ARDASOL 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 undermix.

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 10mm is permissible in a single application. For depths above 10mm, the product needs to be used as a blended compound and treated as a mortar.

If a second application of Bostik SL C320 ARDASOL is required, this can be carried out once it is ready to take foot traffic.

Trowel application :

Pour the mixed material onto the prepared substrate to a thickness between 1mm and 10mm.

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.

DIRECTIONS FOR USE

Pump application :

Where large floor areas require levelling, it is beneficial to apply Bostik SL C320 ARDASOL 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 4-6 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:	72 hours at +25°C

CLEANING

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

Code	UC	PCB	PALLET	GENCOD
30615456	25kg	1	48	3549212484675

SAFETY

For more details, consult the safety data sheet on <https://bostiksdsthevercs.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 patent.

BOSTIK TECHNICAL ASSISTANCE

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