

SL C520 ARDASOL F

FIBRE-REINFORCED SELF-LEVELLING COMPOUND FOR NEW AND RENOVATION SUBSTRATES

TECHNICAL DATA SHEET — 07/01/2024

ADVANTAGES

- Versatile for all types of substrate, new and renovation
- Reinforced with synthetic fibres
- Excellent surface finish: little or no sanding required
- Manual or pump application
- Suitable for hydraulic underfloor heating and electric radiant floors

QB Certificate: 1166-106 S 106

DESCRIPTION

Self-levelling floor smoothing compound, 1 to 20 mm, P3 from 3 mm, for new-build and renovation work.



P3	C20
1–20 mm	F7
4–6 h	6 L
walk-on time	water/bag

INTENDED USE

Compatible substrates:

- Concrete
- Asphalt screed
- Cement screed
- Wood-based substrates: parquet on battens, wood panels (CTBX, CTBH, OSB3)
- Old tiling, quarry tile, terracotta
- Old adhesive residues
- Old semi-flexible tiles, asbestos-free
- Old floor paint or resin coatings

For other substrates, please consult us.

Compatible floor coverings:

- PVC
- LVT
- Carpet
- Linoleum
- Rubber
- Parquet

- Tile

TECHNICAL CHARACTERISTICS

Colour / Composition	Powder based on hydraulic binders, mineral fillers and special additives, reinforced with polymer fibres – grey
Mixing ratio	6 litres of water per 25 kg bag
Application temperature	10 to 25°C
Working time*	20 minutes
Time before foot traffic*	4 to 6 hours
Recoating time*	Tile: 12h Textile: 24h PVC, rubber, linoleum: 48h to 72h Parquet: 72h
Application thickness**	1 to 20 mm
Consumption	1.5 kg of powder / mm / m ²

* These times are determined at +23°C and 50% relative humidity on a normally absorbent substrate with a 3 mm thickness.

SUBSTRATE PREPARATION

Substrates must always be sound, dry (no rising damp), normally absorbent, solid (no friable or fragile areas) and free of grease stains.

Do not use:

- On friable substrates
- Without a finishing floor covering

General points to check:

Substrate moisture content must be checked and must comply with the requirements of the floor covering to be installed. For underfloor heating, request the heating start-up certificate (PV). Only proceed 48 hours after the heating has been switched off. For recoating of old tiled floors, check that more than 90% of the surface is perfectly bonded. Remove any defective tiles and patch with SL C950 RENOQUICK.

Cracks smaller than 0.8 mm and expansion joints must be treated with RENO E742 STRUCTURE, which should be sanded to refusal with S409 sand. If substrates do not meet the required moisture level, apply our anti-rising-damp barrier HYTEC E736 TURBO (see ATEx) or HYTEC E336 XTREM (see DTA).

Refer to the applicable CPT, DTU, technical opinions and professional standards when accepting substrates.

SUBSTRATES	SPECIFIC PREPARATION AND CHECKS
NEW – Concrete slab	Remove curing compound
NEW – Anhydrite screed (BAP) / fluid cement screed	Remove curing compound
NEW – Heating / cooling floors + PRE	Check that heating start-up has been carried out
RENOVATION – Tiling	Clean with water and caustic detergent, then rinse with clean water
RENOVATION – Semi-flexible tiles, asbestos-free	Clean with water and caustic detergent, then rinse with clean water
RENOVATION – Adhesive residue	Remove as much as possible by scraping
RENOVATION – Bituminous adhesive residue, asbestos-free	Remove excess thickness >0.5mm or remove entirely
RENOVATION – Floor paint	Sand to restore roughness, then clean as for tiling
RENOVATION – Floor resin	Sand, then proceed as for floor paint
RENOVATION – Parquet on battens	Remove wax and varnish, then vacuum thoroughly
RENOVATION – Wood-based panels	No deformation under a 75 kg load
RENOVATION – Asphalt screed	No cracking

PRIMERS AND CONSUMPTION

SUBSTRATE TYPE	PRIMER	CONSUMPTION
Concrete / cement screed – porous	GRIP A310 PROJECT	100–120 g/m ²
Concrete / cement screed – normally absorbent	GRIP A700 UNIVERSAL, GRIP A500 MULTI, GRIP A310 PROJECT	100–120 g/m ²
Concrete / cement screed – sealed	GRIP A700 UNIVERSAL, GRIP A500 MULTI	80–100 g/m ²
Tiling / adhesive residue	GRIP A936 XPRESS, GRIP A700 UNIVERSAL, GRIP A500 MULTI	100–120 g/m ²
Paint	GRIP A936 XPRESS	80–100 g/m ²
Resin	GRIP A936 XPRESS	80–100 g/m ²
Parquet on battens	GRIP X910 FILL & WOOD	0.8–1 kg/m ²
CTBX-CTBH-OSB3 panels	GRIP X910 FILL & WOOD	0.6–0.8 kg/m ²
Asphalt screed	GRIP A936 XPRESS	100–120 g/m ²

**Recommended application thicknesses

Concrete, cement screed	1 to 20 mm
Wood substrate	3 to 10 mm
Old tiling, quarry tile, terracotta	3 to 20 mm
Old adhesive residue, semi-flexible tiles, floor paint	3 to 10 mm
Screed with underfloor heating	3 to 10 mm

Thicknesses greater than 10 mm: outside QB certification, applied on Bostik's recommendation.

For thicknesses greater than 10 mm, a pump mixer or mixing station must be used, together with BOSTIK ARDATAPE BDP 50/5 perimeter compression strips at the base of partition walls.

APPLICATION

Manual preparation

Mixing:

Mixing water temperature must be between +8 and +25°C. Pour one bag of compound into 6 litres of clean water, then mix with an electric mixer fitted with a polygonal whisk at a maximum speed of 500 rpm.

Application:

Using a stainless steel smoothing trowel, feather the compound down to zero to fill the pores of the substrate, then level and adjust evenly to the desired thickness.

Mechanical preparation of the levelling compound (pump)

Our levelling compound is also formulated for preparation using a continuous-mixing pump mixer. The levelling compound is mixed, pumped and applied at the required thickness.

PRECAUTIONS FOR USE

- Strictly observe the mixing ratio indicated on the bag; do not add water during application
- Avoid any source of heat or draught during the first hours after application of the compound

CONSUMPTION

Approximately 1.5 kg of powder per mm of thickness per m².

STORAGE

9 months in its original, unopened packaging, stored in a dry place (manufacturing date on the packaging).

CLEANING

Clean tools and fresh stains with water.

PACKAGING

Code	GTIN	Format	Pallet
30617959	3549212472887	25 kg	48



The application recommendations are defined in relation to average usage standards. They must be strictly observed but do not remove the need for preliminary trials, particularly in the case of first-time use and/or specific site, substrate or environmental constraints. Consult our safety data sheets for precautions for use.

DISCLAIMER

Bostik provides this technical data sheet ("TDS") for descriptive and informational purposes only. It does not constitute a warranty, a contract, or a substitute for the advice of an expert or professional. Please also consult the local product safety data sheet for health and safety considerations. The safety data sheet is available at: <https://bostiksdsh.thewerco.com/>.

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