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Product Data Sheet

SO LEVEL PLUS

PREMIUM TWO PART LATEX SUBFLOOR
 SMOOTHING - LEVELLING COMPOUND



Description

So Level Plus is a moisture tolerant, rapid setting - flowable smoothing compound. *So Level Plus* can receive light foot traffic within 2 hours and is exceptionally easy to mix and trowel. *So Level Plus* can be placed from a feather edge up to 10 mm in a single application. A greater thickness of 10mm for example, is best achieved by adding a 10kg of granite chippings for each unit used. *So Level Plus*, can be used in domestic, commercial and light industrial areas. Being protein free the product can be used in biologically sensitive areas; ideal for use in: hospitals, laboratories, food preparation areas, food shops, restaurants etc

Features

- No unpleasant ammonia smells.
- Provides a more flexible underlayment than traditional water mixed screeds.
- Moisture tolerant formulation enables pre-smoothing rough textured subfloors prior to the application of Damp Proof Membranes.
- Fast setting, low odour, latex levelling compound.
- Protein free and can be used in biologically sensitive areas and does not support the growth of bacteria.
- Excellent adhesion to a variety of substrates.
- Excellent smoothing & flow characteristics.
- Feather edge application.
- Suitable for use with underfloor heating installations.

It is good working practice to prime surfaces before use.

Providing a surface temperature of 27°C is not exceeded, *So Level Plus* is not affected by heat from central heating pipes, radiant heating mats or in glazed areas. Heating should be switched off at least 48 hours before applying the compound and should be brought back to temperature in accordance with the manufacturers instructions.

Application Data

Unit size	20kg bag of powder plus a 4 litre bottle of liquid.
Mixing ratio	20kg of powder to 4 litres of liquid.
Mixing ratio with Granite Chippings	For thicknesses over 10 mm add 10kg of 3mm granite chippings to each unit mixed.
Consistency of mix	Smooth flowable lump free consistency.
Application thickness: Unfilled	Up to 10mm
Filled	Greater than 10mm
Working Life	20 Minutes @ 20°C
Walk on hardness	90 minutes @ 20°C
At 3mm thickness ready to receive Ceramic Tiles or loose lay	Fixing ceramics Approx 6 - 8 hours @ 20°C
Resilient floor coverings	Approx 6 to 12 hours @ 20°C
Application over non-absorbent surfaces	Allow 24 hours In good drying conditions
Installation Temperature	Minimum 5°C
Packaging	Powder: plastic lined paper sacks Liquid: plastic 4L bottle.

Note:

This product should not be confused with rapid drying - high polymer underlayments, mainly water based.

So Level Plus is not suitable for the following substrates:-

- Large areas of wooden flooring as this will require an underlayment that has an increased polymer content ideally with rapid drying qualities.
- Raised Access Flooring, Steel, Steel Plate or Ship's decking.

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British Standard - Guidelines

All aspects of the installation must be in accordance with the requirements of BS 8204, BS 8203 (Installation of Resilient Floorcoverings), BS5385 (Installation of Tiling or BS5325 (Installation of Textile floor coverings)

Compiles with EN standards and supplementary specifications.

Preparation

Floor surfaces must be suitably prepared: sound, dry (<75%RH); free from dust, contaminants that may impair adhesion, plaster droppings, grease, paint, polish and any water-softenable or loosely adhered materials as these will not have the cohesive strength to support the newly applied underlayment.

Highly polished substrates such as power floated concrete, marble, terrazzo or ceramic tiles should be mechanically abraded (not copper with a copper disc) to provide a suitable mechanical key. Use a suitable alkali based cleaning agent for removing grease, oil, polish, soap etc. from non-absorbent substrates. Concrete and sand/cement screeds must be fully cured and any laitance or surface treatments must be removed. The temperature of the floor must be maintained above 5°C throughout the application and drying of the underlayment.

Underfloor heating must be off for at least 48 hours before and after application. If sub-floors are impervious, e.g. flooring grade asphalt an overall application of **So Level Plus** at a minimum of 3mm thick will be required. This is to ensure uniform drying of the newly applied flooring adhesive. A minimum thickness of 3mm is recommended when applied over a suitable epoxy DPM (after priming with undiluted So Fast Universal Primer) or where solvent based flooring adhesives are to be used. **So Level Plus** must then be allowed to dry prior to installation of the selected decorative floor covering.

Priming may not be required prior to the application of **So Level Plus** although it is good building practice to do so.

Floors subject to rising damp must be treated with a suitable epoxy Damp Proof Membrane. If the surface of the existing floor is rough **So Level Plus** may be used to pre-smooth prior to the application of a suitable epoxy based dpm. **So Level Plus** may be applied directly i.e. without priming up to 18 hours following application of the epoxy based dpm. However the dpm must be primed if **So Level Plus** is to be applied after this time. For application thicknesses greater than 6mm over a DPM use an aggregated epoxy primer system to blind the surface forming a mechanical key. **So Level Plus** must not be used over roofing grade asphalt or bituminous residues as they do not have the required cohesive strength therefore must be removed.

Mixing

Pour the contents of the liquid bottle into a clean bucket and stir into it the contents of the bag. (20kg of powder to 4 litres of **So Level Plus** liquid). The powder should be added at a steady rate, stirring briskly until a smooth creamy mixture is obtained. A mixing whisk in a slow-speed electric drill quickly gives a smoother blend. For thicknesses over 6mm add 10kg of 3mm granite chippings for each unit used.

Application

Use mixed material within 20 minutes. Trowel the material onto the prepared subfloor to a maximum thickness of 6mm on adhesive residues. A greater thickness of 12mm for example, is best achieved by applying a 12mm thick layer of aggregate filled screed, which when set is topped by a 2mm layer of unfilled **So Level Plus**.

Coverage

A 20kg bag of powder plus a 4 litre bottle of liquid should be sufficient to cover an area of about 5 - 6m² at 3 mm thickness - depending on condition of subfloor.

Tools

Suitable steel smoothing trowel, mixing bucket, variable speed electric drill and powder whisk.

Cleaning

Wash tools with water immediately after use.

Shelf Life

6 months in unopened bags/bottles from the date of packing.

Storage

This product must be stored clear of the ground, under dry conditions, out of draughts and direct sunlight. Protect liquid component from frost.

Compressive Strength

After 1 day 6 N/mm²
After 7 days 18 N/mm²
After 28 days 25 N/mm²

C25/F7

Health & Safety Advice

A product Health & Safety sheet must be read and a risk assessment carried out prior to use of **So Level Plus**.

So Level Plus is classified under the Chemicals (Hazard Information and Packaging for Supply) Regulations. **So Level Plus** powder contains cement and is highly alkaline when mixed with water which may cause an allergic reaction on exposed areas of skin. It may cause irritation and/or cause caustic burns to mucous membranes.

The liquid component contains 1,2-benzisothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one. May produce an allergic reaction. It is generally non irritant but irritation may occur if dried material adheres to the skin. Avoid contact with skin, eyes and clothing. Do not swallow. Wear suitable protective clothing, chemical resistant gloves and eye/face protection. Keep away from children.