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## Product Data Sheet

# SO LOW ODOUR

## TWO PART LATEX SUBFLOOR SMOOTHING - LEVELLING COMPOUND



### Description

*So Low Odour* is a moisture tolerant, rapid setting - flowable smoothing compound. *So Low Odour* can receive light foot traffic within 2 hours and is exceptionally easy to mix and trowel. *So Low Odour* can be placed from a feather edge up to 12mm in a single application. A greater thickness of 12mm for example, is best achieved by adding a 10kg of granite chippings for each unit used. *So Low Odour*, can be used in domestic, commercial and light industrial areas. Being low odour and 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. 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 Low Odour* 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

<b>Unit size</b>	20kg bag of powder plus a 4.8 litre bottle of liquid.
<b>Mixing ratio</b>	20kg of powder to 4.8 litres of liquid.
<b>Mixing ratio with granite chippings</b>	For thicknesses over 10mm add 10kg of 3mm granite chippings to each unit mixed.
<b>Consistency of mix</b>	Smooth flowable lump free consistency.
<b>Application thickness:</b> <b>Unfilled</b> <b>Filled</b>	Up to 10mm Greater than 10mm
<b>Working life</b>	20 Minutes @ 20°C
<b>Walk on hardness</b>	90 minutes @ 20°C
<b>Resilient floor coverings</b>	Approx 4 to 12 hours @ 20°C
<b>Application over non-absorbent surfaces</b>	Allow 24 hours in good drying conditions
<b>Installation Temperature</b>	Minimum 5°C
<b>Packaging</b>	Powder: plastic lined paper sacks Liquid: plastic 4.8L bottle.

### Note:

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

*So Low Odour* is not suitable for Large areas of wooden flooring as this will require an underlayment that has rapid drying qualities.

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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 Low Odour* 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 Low Odour* 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 Low Odour* 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 Low Odour* may be used to pre-smooth prior to the application of a suitable epoxy based dpm. *So Low Odour* 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 Low Odour* is to be applied after this time. For application thicknesses greater than 10mm over a DPM use an aggregated epoxy primer system to blind the surface forming a mechanical key. *So Low Odour* must not be used over roofing grade asphalt or weak friable bituminous residues as they may not have the required cohesive strength so 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 4.8 litres of *So Low Odour* 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 8mm add 3mm granite chippings.

### Application

Use mixed material within 20 minutes. The mixed material is poured onto the prepared floor surface and spread with a trowel to the required thickness in one operation. Apply at temperatures above 5°C.

### Coverage

A 20kg bag of powder plus a 4.8 litre bottle of liquid should be sufficient to cover an area of about 5-6 m<sup>2</sup> 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 8 N/mm<sup>2</sup>  
After 7 days 12 N/mm<sup>2</sup>  
After 28 days 17 N/mm<sup>2</sup>

C16/F7

### Health & Safety Advice

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

*So Low Odour* is classified under the Chemicals (Hazard Information and Packaging for Supply) Regulations. *So Low Odour* 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.