

Issue Date:
May 08:V1



Data Sheet No:
TDS 259

SOVEREIGN TECHNICAL INFORMATION SHEET FLEXIBLE LEVELLING COMPOUND

ORDER CODE: FFL

Description

Sovereign Flexible Floor Levelling Compound is a polymer and fibre reinforced smoothing compound for the preparation of uneven subfloors prior to the application of various floor finishes.

Form Supplied: Dry Powder
Pack Sizes: 20 kg
Colour Range: Grey
Contains: Blend of cements, selected fillers, special additives, and a dispersible polymer.

Properties

Sovereign Flexible Floor Levelling Compound can be used to level timber, concrete, asphalt, tiles, metal and painted floors. Due to its flexible nature it is suitable for use in conjunction with under floor heating and is ready to take light foot traffic after 2 – 3 hours and receive floor coverings in as little as 4 hours.

Preparation

Timber backgrounds – must be rigidly braced. Plywood should be a minimum of 6mm thick and secured according to the guidelines outlined in BS5325 and BS8203. Prime the face of the timber with Sovereign Neoprene Primer diluted 4 parts water to 1 part Primer. Allow to dry – typically 2 hours.

Concrete – must be clean dry and free of any material that may interfere with adhesion. (Adhesive residues can be left in place as long as they are firmly bonded). An effective DPM must be in place and the concrete be at least 28 days old and below 75% RH moisture content. Damp concrete floors should first be treated with Sovereign Epoxy DPM. Prime the floor with Sovereign Neoprene Primer as above.

Non/low absorbency floors such as flooring grade asphalt, quarry tiles, terrazzo, natural stone, metal and painted surfaces – degrease the surface thoroughly and rinse with clean water and allow to dry completely. Prime the surface with Sovereign Neoprene Primer used neat and allow this to dry – typically 3 – 4 hours.

Steel surfaces must be grit blasted to SA21/2 or rotary disc / wire brushed to ST2.

The temperature of the floor must be maintained above 5°C throughout the application and drying of the underlayment.

Mixing

Gradually add 1 bag of Flexible Levelling Compound to 4.5 litres of clean water.

Stir with a power whisk fitted to an electric drill until a smooth creamy lump free consistency is achieved. The material should be mixed for a minimum of 2 minutes.

Do not add further water.

Do not mix more material than can be applied in 20 minutes.

For filling depressions 15-25mm deep in concrete or sand / cement subfloors, add dry sharp sand after the powder. Use in the ratio 10kg of dry sand to 20kg powder.

25mm is the maximum depth recommended for this product.

TECHNICAL DATA SHEET

Application

Pour the mixed material onto the prepared subfloor and allow to flow and attain a smooth finish, minimal work with a smoothing trowel is required. The mixed material should be applied at a thickness of between 2mm to 15mm, (10mm maximum over plywood) but can be taken down to a feathered edge if required. For best results, an overall thickness of at least 3mm should be maintained. For filling depressions 15-25mm add dry sharp sand as described above. Any high spots can be removed with an abrasive prior to full set.

Coverage

Approximate coverage values for a 20kg bag are as follows:

Thickness	Coverage
3mm	4.1m ²
5mm	2.5m ²
10mm	1.2m ²
15mm	1m ² (inc. sand mix)

Working time / pot life

Approximately 20mins at 20°C / 30mins at 10°C.

Drying times

Foot Traffic 1-2_hrs at 20°C / 2-4_hrs at 10°C.

On absorbent surfaces, at a nominal 3mm thickness, the compound will be ready to receive vinyl, ceramic and textile floor coverings after 4-6_hrs at 20°C / 8-12_hrs at 10°C.

For greater thicknesses or for application onto non-absorbent surfaces, we would recommend that vinyl floor coverings are installed after 12 hours at 20°C / 24 hours at 10°C.

Information given is in good faith based on experience and usage, however all recommendations are made without warranty or guarantee, since the conditions of use are beyond our control. All goods are sold in accordance with our Conditions of Sale, copies of which are available on request. Customers are advised that product, techniques and codes of practice are under constant review and changes occur without notice. Please ensure you have the latest updated information.

Timber floors must be allowed to acclimatize for a minimum of 48 hours in the room in which they are to be laid, but in all circumstances the manufacturers instructions must be followed.

Shelf Life

This product must be stored undercover, in unopened bags, clear of the ground in cool dry conditions, protected from frost and excessive draughts. When stored correctly the shelf life is 6 months from date of manufacture, shown on the packaging

Health and Safety

R36 Irritating to skin.

R41 Risk of serious damage to eyes.

Contact between cement powder and body fluids (e.g. sweat and eye fluids) may cause irritation, dermatitis or burns. There is a risk of serious damage to eyes. Wear suitable protective clothing, gloves and eye/face protection. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. After contact with skin wash immediately with plenty of clean water. Keep out of reach of children. For full health and safety information see Safety Data Sheet reference number SDS 259.

SOVEREIGN

Sovereign Chemicals Limited,
Park Road, Barrow in Furness,
Cumbria.
Tel: 01229 870800
Fax: 01229 870850
Technical Support Line: 0845 603 0722
Web: www.sovchem.co.uk
Email: sales@sovchem.co.uk