



www.soflooring.com

Lee Floorstok  
Unit B1 The Dresser Centre  
Whitworth Street  
Manchester  
M11 2NE  
Tel: 0161 231 8080  
Fax: 0161 231 8787  
Email: leefloor@aol.com  
Web: leefloorstok.com

## Data Sheet

# SO FEATHER

## RAPID DRYING PATCH REPAIR & SMOOTHING COMPOUND



### DESCRIPTION

SO Feather is a rapid drying, fast setting, ultra-fine, high polymer patch-repair and smoothing compound developed for internal use on a large variety of substrates prior to the installation of a final floor covering. It has been developed to further improve subfloors prior to the installation of a new floor covering such as decorative vinyl, linoleum, laminate and ceramic, porcelain and natural stone tiles. SO Feather has outstanding adhesion properties and it is suitable for use on a wide variety of substrates including sand/cement screeds, concrete, existing self levelling compounds, plywood and existing tiles without the need to prime. SO Feather has been developed to further improve the surface finish of substrates prior to laying final floor coverings and it is ideal for patching and feathering depressions, trowel marks, ridges, gouges and day-work joints in the sub-floor, as well as for smoothing over screw-heads and joints between sheets of plywood.

SO Feather is a genuine "feather edge" product allowing for applications between 0 and 3mm. The mortar has an open time of approximately 15 minutes at 20°C and when skimmed on absorbent sub-floors will normally be hard enough for floor laying after as little as 15 minutes.

### SUBSTRATES:

- ✓ Sand/Cement Screed
- ✓ Concrete
- ✓ Plywood Overlay (6mm min)
- ✓ Chipboard Overlay (18mm min)
- ✓ Electric Underfloor Heating
- ✓ Water/Wet System Underfloor Heating
- ✓ Tile Backer Boards
- ✓ Existing Floor Tiles
- ✓ Flooring Grade Asphalt & Bitumen
- ✓ Anhydrite Screeds (requires priming)
- ✓ Fibre Cement Sheet
- ✓ T & G Floorboards
- ✓ Floating Floors
- ✓ Existing Vinyl Tiles
- ✗ Steel/Metal Surfaces
- ✗ Fibreglass
- ✗ Green Screed

### PREPARATION:

Before starting, the surface must be clean, firm, dry and free from all dust, dirt, oil, grease and other contaminants that may affect adhesion. Where traces of adhesive remain, these must be strong, sound and well adhered to the substrate.

Sub-floors directly to earth must have an effective damp-proof membrane. All substrates must be confirmed dry via consistent moisture readings across the whole floor. The residual moisture content of the screed must be less than 0.5%, or have a relative humidity of 75% or below.

### PRIMING:

Priming is not normally required before applying SO Feather.

Anhydrite screeds and gypsum based levelling compounds require two coats of Primeplus diluted 3 parts water to 1 part Primeplus and allow to dry.

### MIXING & APPLICATION:

Only mix small quantities at a time until you have become accustomed to the fast setting nature of the product. SO Feather typically has a working time of between 10-15 minutes at 20°C. Any product that has started to set must be discarded.

Add 2 parts powder to 1 part clean water (by volume) and mix in a bucket with a steel trowel to achieve a smooth, workable and slump-free mortar. The mixed mortar should be used immediately. Trowel the mortar onto the prepared surface and spread to the required thickness using a straight-edged steel trowel in order to achieve a smooth finish.

SO Feather can be applied between 0 and 3mm. For thicknesses of greater than 3mm (but not exceeding 12mm) it is recommended to build up successive coats of SO Feather. Alternatively, SO Rapid Repair Mortar may be suitable.

**Please note:** When applying SO Feather to timber floors the total depth of successive coverings should be no more than 3mm.

### SETTING AND COVERING:

Depending on the porosity of the sub-floor, SO Feather can take as little as 15 minutes to dry and be ready to receive a floor covering. As long as the mortar has sufficiently hardened (to the extent where it can take reasonable but not excessive force with a trowel edge) the final floor covering can be laid. Thicker applications will tend to require additional drying time.

**NB:** The pot life and drying times depend on the ambient temperatures. At lower temperatures they will be extended and at higher temperatures they will be shortened. Clean tools immediately after use with clean water.

**Please note:** To maintain the rapid drying properties of SO Feather, the powder must be protected from the air whilst not in use. Part bags must be sealed tightly to prevent the potential of extended drying times.

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Standard Conformity	Conforms to BS EN 13813 CT-C12-F5
Application thickness	0 – 3 mm
Open Time/Working Time	Approximately 15 minutes at 20°C
Coverage	When mixed with 6L of water and applied as a scrape coat, an 11kg bag of SO Feather will cover approximately 50m <sup>2</sup> (approximately 10m <sup>2</sup> at a 1mm depth)
Storage	Store unopened, clear of the ground in cool, dry conditions
Shelf life	Stored correctly this product has a shelf life of 6 months
Colour	Grey
Pack sizes	11kg

### HEALTH AND SAFETY

SO Feather contains cement. Contact with moisture or gauging water sets off an alkaline reaction which may cause skin irritation and/or caustic burns to mucous membranes (e.g. eyes). Irritant to respiratory system. Risk of serious damage to eyes, therefore avoid contact with eyes and prolonged contact with skin. Do not breathe dust. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. Wear suitable gloves (e.g. cotton gloves soaked in nitrile) and eye/face protection. If swallowed, seek medical advice immediately and show this container or label. Keep out of reach of children. Low in chromates.

For further information refer to the Material Safety Data Sheet.

The information contained on this spec sheet is given voluntarily and in good faith. It is to the best of our knowledge true and accurate; however it may contain information which is inappropriate under certain conditions of use. The company cannot accept responsibility for any loss or damage due to inappropriate use or the possibility of variations of working conditions and of workmanship outside our control.

Tilemaster Adhesives Ltd., Unit 4, Tomlinson Point, Tomlinson Road, Leyland, Lancs, PR25 2DY	
<b>EN 13813:2002</b> <b>CT-C12-F5</b> Cementitious screed material polymer modified for internal use in buildings	
Reaction to fire	NPD
Release of corrosive substances	CT
Water permeability	NPD
Water vapour permeability	NPD
Compressive strength	C12
Flexural strength	F5
pH	NPD
Wear resistance	NPD
Sound insulation	NPD
Sound absorption	NPD
Thermal resistance	NPD
Chemical resistance	NPD