

## XP250 Self Levelling Smoothing Compound 2-50mm, 25kg



### DESCRIPTION:

StoneFix XP250 Self Levelling Smoothing Compound is a free flowing, self smoothing, protein / casein free, floor leveling compound, blended from a mixture of high quality, fibre reinforced, raw materials.

### FEATURES:

- Highly Flexible
- Rapid Set
- Concrete / Screeds
- Underfloor Heating
- Protein / Casein Free
- Fibre Reinforced
- Internal / External
- Timber Floors / Chipboard
- Pumpable
- Eco Friendly



### CONTACT DETAILS:

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StoneFix XP250 can be applied in thicknesses from 2-50mm in a single pour. It provides an economic means of levelling and renovating existing floors, prior to the installation of floor coverings such as ceramic tiles, natural stone, timber or carpet.

This product is suitable for use in homes, schools, office buildings, public buildings, sports halls, department stores and hospitals. StoneFix XP250 is protein / casein free and can be used in biologically sensitive areas.

Suitable for external concrete surfaces such as balconies, patios and walkways prior to the application of tiles. It can also be used on domestic garage floors prior to over coating with a suitable floor paint.

Additionally it can be used for patch repairing rough concrete on domestic driveways and paths that are subject to foot and light rubber wheeled traffic.

Suitable for use with underfloor heating installations and is not affected by heat from central heating pipes and radiant heat mats once the product is cured.

## **PLEASE NOTE**

Externally - DO NOT apply if temperatures are likely to drop below freezing within 7 days of application. Ensure external floor temperature is above 5°C and that any freshly applied compound should be protected from rain, frost, high temperatures and conditions causing rapid drying.

Internally - DO NOT apply if subfloor temperature is below 5°C or above 25°C.

All direct to earth subfloors must have either an effective integral damp proof membrane or alternatively a surface damp proof membrane applied.

## **SUBSTRATE PREPARATION**

Substrate must be hard, sound and free from dust, oil, grease, paint, plaster, laitance or any other contaminant that could prove a barrier to adhesion. Heavily contaminated floors may require special treatment and specific advice should be sought. Generally substrates are best prepared by mechanical methods such as shot blasting, planing or scabbling. The substrate must be vacuum cleaned prior to application of primer.

The substrate must not leach moisture. Anhydrite screeds must not have a moisture content greater than 0.5% or 75% relative humidity (RH) is required. This can easily be tested with a hygrometer. Once the screed has dried it is essential that surface laitance is removed. This is achieved by scabbling, followed by vacuum cleaning to remove any dust.

Recently laid cement / sand screeds must be fully cured before covering. Indoor air and floor slab temperature must exceed +5°C with relative humidity not exceeding 95%.

StoneFix XP250 can be applied directly to adhesive residues if it is thin and firmly bonded to the substrate and is not susceptible to moisture.

## **PRIMING**

Porous substrates must be primed with StoneFix Acrylic Primer.

Non porous substrates such as ceramics, flooring grade asphalt and highly polished stone should be primed using a slurry coat of StoneFix XP250 and StoneFix Acrylic Primer. The slurry coat should be one part powder to one part liquid by volume. Apply thinly with a brush and allow to dry.

## **LAYING ON WOODEN FLOORS (INCLUDING TONGUE & GROOVE AND CHIPBOARD)**

The timber should be stable and able to carry the weight of the leveling compound and the overlayment. Flooring must not move when stepped upon. Partitions must not flex when pressed by hand. If this is not the case, reinforce the floor with noggins between the joists and replace the boards. Brace unstable partitions.

The surface of the timber should be primed with StoneFix Acrylic Primer diluted 1:1 with clean water.

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## MIXING

No additive is required. Each 25kg bag should be mixed with 5 litres of clean cool water. Stir continually for approximately 2 minutes using a suitable drill with whisk attachment, allow to stand for 2 minutes then re-mix. This process allows the polymer additives to dissolve and activate. Use the mixed compound immediately. If the mix stiffens before it has been spread, it must be discarded. Do not add extra water or liquid.

When pumping StoneFix XP250 check the material flow regularly to ensure the correct consistency of material is being achieved.

## APPLICATION

The mixed material is poured onto the prepared subfloor and spread with a smooth edge trowel to the required thickness in one operation. Alternatively the use of a spiked roller will ensure a smooth even finish that will not require any further attention prior to the floor coverings being applied.

## COVERAGE

For every 1mm thickness 1.7kg of dry powder per square metre will be required, i.e. 1m<sup>2</sup> at 10mm thickness will require 17kg of dry powder.

## TECHNICAL DATA

Conformity:	Conforms to the requirements of BS EN 13813 CT C40 F10
Flexural strength N/mm <sup>2</sup> :	7 days - 3.0 28 days - 10.0
Compressive strength N/mm <sup>2</sup> :	1 day - 10.0 7 days - 35.0 28 days - 40.0
Application temperature:	5°C to 25°C
Bed thickness:	2-50mm
Mixing ratio:	5 litres of water to 25kg of powder
Open time:	20 mins at 20°C
Foot Traffic:	1 hr 30 mins at 20°C
Next works absorbent 2-20mm:	3 hours
	Over 20mm: 24 hours
	non-absorbent: 24 hours
Pump application:	Yes
Protein free:	Yes
Colour:	Grey
Shelf life:	12 months in cool dry area
Size:	25kg

## ECOTEK

Ecotek technology has been developed as part of our commitment to the environment, in particular the use of sustainable products within our manufactured materials.

This technology uses the highest quality pure plate clear recycled glass and offers the following advantages:

- Mechanically improves the workability of the product.
- Compatible with white / light coloured cements.
- Less absorption of water, therefore improves structural strength and performance of the product.
- Non-crystalline nature of the glass improves its waterproofing properties and is non-toxic.

## PACKAGING & STORAGE

StoneFix XP250 is supplied in 25kg sacks, palletised (48) and shrink wrapped. When stored unopened in a dry place at temperatures above 5°C, shelf life is 12 months from date of manufacture.

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## **HEALTH & SAFETY INSTRUCTIONS**

- Contains Portland Cement.
- Irritating to skin.
- Risk of serious damage to eyes.
- Keep out of reach of children.
- Avoid contact with skin and eyes.
- 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 and eye / face protection.
- If swallowed, seek medical advice immediately and show this container or label.

For further information, please request the material safety data sheet for this product.

## **QUALITY CONTROL**

All StoneFix products are factory blended, tested and packaged to quality control procedure in accordance with BS EN ISO 9001 series.

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