



## XL 500 Deep Flex Leveller

Fibre Reinforced Flexible Self Levelling Compound  
2-50mm, 20kg

**2-50mm** / **30 mins** / **3-4 hours**  
**Bed Thickness** / **Open Time** / **Foot Traffic**

- Highly Flexible / Fibre Reinforced
- Non Shrink
- Protein / Casein Free
- Free Flowing / Pumpable
- Underfloor Heating
- Concrete / Screeds
- Timber Floors / Chipboard
- Internal / External Use

### DESCRIPTION

ROCATEX XL 500 Deep Flex Leveller is a free flowing, self smoothing, protein free, self levelling floor compound, blended from a mixture of high quality, fibre reinforced, raw materials.

ROCATEX XL 500 Deep Flex Leveller 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.

It is particularly effective for encasing underfloor heating systems where its thermal transfer properties enhance the heating application. This levelling compound is suitable for use in homes, schools, office buildings, public buildings, sports halls, department stores and hospitals.

Suitable for use on external concrete surfaces such as balconies, patios and walkways prior to the application of tiles. It can also be used for domestic garage floors prior to covering with a suitable surface coating. Additionally it may be used for patch repairs on rough concrete, domestic driveways and paths that are subject to foot and light rubber wheeled traffic.

### PLEASE NOTE

Internal Use - Do not apply if subfloor temperature is below 5°C or above 25°C.

External Use - 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 freshly applied levelling compound should be protected from rain, frost, high temperatures and conditions causing rapid drying.

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

### SURFACE PREPARATION

Substrates 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 more than 0.5% residual moisture before being covered. Recently laid cement/sand renders and screeds must be left for two weeks and three weeks respectively before covering. Indoor air and floor slab temperature must exceed +6°C with relative humidity not exceeding 95%.

## PRIMING

Porous substrates must be primed with ROCATEX Acrylic Primer. Particularly porous or absorbent substrates may require a second coat.

Non-porous substrates such as ceramics, flooring grade asphalt and highly polished stone should be primed using a slurry coat of ROCATEX XL 500 Deep Flex Leveller and ROCATEX 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.

Neither priming nor floor laying should be attempted if the indoor air or floor slab temperature is less than +6°C.

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

The timber should be stable and able to carry the weight of the levelling 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 ROCATEX Acrylic Primer diluted 1:1 with clean water.

## MIXING AND LAYING

No additive is required. Each 20kg bag should be mixed with 4 litres of clean cool water. Mix with a slow speed mixing drill and whisk attachment for approx. 2-3 minutes to remove all air bubbles.

Once mixed, the material is immediately ready for use and has a workability time of approximately 30-35 minutes. If the mix stiffens before it has been spread, it must be discarded. Do not add extra water or liquid.

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.

When pumping ROCATEX XL 500 Deep Flex Leveller check the material flow regularly to ensure the correct consistency of material is being achieved.

## DRYING

Setting and hardening times will vary depending on temperature and ventilation. Setting and hardening times will be shortened at high temperatures and extended at low temperatures. Adequate ventilation is essential during the drying process but draughts must be eliminated to avoid uneven drying patterns. Generally ROCATEX XL 500 Deep Flex Leveller can withstand light foot traffic after 3-4 hours at 20°C. At 20mm thick and temperature of 20°C the floor will be ready for the finishing covering after 24 hours.

## 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.

## STORAGE

Store unopened in a cool dry, frost free environment.

## TECHNICAL DATA

Conformity:	Conforms to the requirements of BS EN 13813 CT C25 F7
Application temperature:	6°C to 25°C
Bed thickness:	2-50mm
Mixing ratio:	4 litres of water to 20kg of powder
Open time:	30 mins at 20°C
Foot traffic:	3-4 hours at 20°C
Pump application:	Yes
Flow ring values:	235-230mm (65mm Ø, 40mm High Flow Ring)
Protein free:	Yes
Colour:	Grey
Shelf life:	12 months in cool dry area
Size:	20kg

		
Rocatex Ltd, Units 3+4 Camwal Park, Camwal Road, Harrogate, HG1 4PT, UK 13 DoP No. 005 EN 12004		
Essential Characteristics	Performance	Harmonised Technical Specification
Reaction to fire (class)	A1	
Release of corrosive substances (declared)	CT	
Water permeability (declared)	NPD	
Water vapour permeability (declared)	NPD	
Compressive strength (threshold)	C25	
Flexural strength (threshold)	F7	EN 13813:2002
Wear resistance (threshold)	NR	
Sound insulation (declared)	NPD	
Sound absorption (declared)	NPD	
Thermal resistance (declared)	NPD	
Chemical resistance (declared)	NPD	

## HEALTH & SAFETY INSTRUCTIONS



Health & safety advice, which must be followed, can be found on the Material Safety Data Sheet. Users are advised to wear face mask, goggles, gloves and overalls when handling, mixing and applying cementitious products.

Contains Portland Cement. Contains Chromium (VI), which may produce an allergic reaction. Clothing contaminated by wet cement should be removed immediately and washed before re-use. R38 - Irritating to skin. R41 - Risk of serious damage to eyes. S26 - In case of contact with eyes, rinse immediately with water and seek medical advice. S37/39 - Wear suitable gloves and eye/face protection. S2 - Keep out of reach of children.

For further information, please request the Material Safety Data Sheet for this product.