



Fibreflow Rapid Flex Leveller

Hi-Flow Smooth Finish Self Levelling Screed
3-50mm, 25kg

3-50mm / **25-30 mins** / **90 mins**
Bed Thickness / **Open Time** / **Foot Traffic**

- High Flow Rate / Easily Pumped
- Wet Edge Technology / Seamless Gelling
- Rapid Drying / High Flexural Strength
- Durable Finish / Non Shrink
- Fibre Reinforced / Protein Free
- Underfloor Heating
- Concrete / Screeds / Timber Floors
- Tiling / Vinyl / Soft Floor Coverings

DESCRIPTION

ROCATEX Fibreflow Rapid Flex Leveller is an extremely free flowing, rapid setting, fibre reinforced, highly flexible self levelling smoothing screed, blended from a mixture of the highest quality raw materials.

ROCATEX Wet Edge Technology promotes seamless gelling between pours, ensuring a perfect surface and finish every time. Its rapid set time allows for light foot traffic after approximately 90 minutes.

ROCATEX Fibreflow can be applied in thicknesses from 3-50mm in a single pour. It provides an economic means of levelling and renovating existing interior floors prior to the installation of floor coverings including ceramic and porcelain tiles, natural stone, timber, vinyl and carpet.

It is particularly effective for encasing underfloor heating systems where its thermal transfer properties enhance the heating application. ROCATEX Fibreflow is suitable for use in domestic, commercial and industrial environments.

SURFACE PREPARATION

All surfaces must be clean, firm, dry, free from all loose matter including dust, dirt, oil, grease, laitance and any other contaminants that may affect adhesion. All substrates should be prepared to provide a rigid and secure base without deflection and suitable to support the intended weight. New timber should be given time to find equilibrium with its surroundings.

The following information provides further details for preparing various common substrates. Unless stated otherwise, any reference to the term "diluted" means 1 part primer mixed with 1 part clean water.

Anhydrite Screeds - The substrate must not leach moisture. Anhydrite screeds must not have a moisture content greater than 0.5% or 75% relative humidity (RH). This can easily be tested by taking moisture readings across the whole surface. It is essential that surface laitance is removed in accordance with the screed manufacturer's recommendations, followed by vacuum cleaning to remove any loose material, then apply 2-4 neat coats of ROCATEX Acrylic Primer or 2 diluted coats of ROCATEX Ultimate Grip Primer.

Concrete Screeds - Prime with 2 diluted coats of ROCATEX Acrylic Primer or 1 diluted coat of ROCATEX Ultimate Grip Primer. Substrate curing before levelling can commence is approximately 6 weeks.

ROCATEX

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Power Floated Concrete - Once cured, power floated concrete should be mechanically abraded (scabbled or shot blasted) to remove any curing agents and open up the surface, followed by vacuum cleaning to remove any loose material, then apply 2 diluted coats of ROCATEX Acrylic Primer or 1 diluted coat of ROCATEX Ultimate Grip Primer.

Sand & Cement Screeds - Prime with 2 diluted coats of ROCATEX Acrylic Primer or 1 diluted coat of ROCATEX Ultimate Grip Primer. Substrate curing before levelling can commence is approximately 3 weeks.

Plywood - Must be a minimum thickness of 15mm, exterior grade, screwed down at 300mm centres and all joints must be supported. Prime the surface with 1 diluted coat of ROCATEX Acrylic Primer or 1 diluted coat of ROCATEX Ultimate Grip Primer.

Tongue & Groove Boards/Floorboards - Must be dry, rigid and securely fixed and screwed to joists at every 300mm. Prime the surface with 1 diluted coat of ROCATEX Acrylic Primer or 1 diluted coat of ROCATEX Ultimate Grip Primer.

Chipboard - Must be a minimum thickness of 18mm screwed down at 300mm centres and all joints must be supported. Apply 1 neat coat of ROCATEX Acrylic Primer or ROCATEX Ultimate Grip Primer to all exposed edges and joints and then apply either 1 neat coat of ROCATEX Ultimate Grip Primer or a slurry coat to the surface: 1 part cement adhesive powder to 1 part ROCATEX Acrylic Primer, apply a thin coat with a brush and allow to dry.

Cement Based Tile Backer Boards - Prime the surface with 1 diluted coat of ROCATEX Acrylic Primer or 1 diluted coat of ROCATEX Ultimate Grip Primer.

Existing Tiles & Other Non-Porous Substrates - Apply either 1 neat coat of ROCATEX Ultimate Grip Primer and allow to dry or a slurry coat: 1 part cement adhesive powder to 1 part ROCATEX Acrylic Primer, apply a thin coat with a brush and allow to dry.

Flooring Grade Asphalt - Ensure surface is in good condition and there are no signs of debonding and/or hollowness. Apply 1 neat coat of ROCATEX Acrylic Primer or 1 neat coat of ROCATEX Ultimate Grip Primer and allow to dry. N.B. No single pour should be deeper than 6mm.

Epoxy Damp Proof Membranes - Apply 1 neat coat of ROCATEX Ultimate Grip Primer and allow to dry.

Underfloor Heating Systems - Existing underfloor heating must be switched off at least 3 days prior to applying ROCATEX Fibreflow to allow the substrate to cool. Once application has been completed allow 1 week before turning the heating system back on. Start with a low temperature and gradually increase at 5°C per day.

Electric Underfloor Heating - When encasing new electric underfloor heating, the system must be turned off. Allow 1 week before turning the heating system back on. Start with a low temperature and gradually increase at 5°C per day.

Heated Screeds - Prior to applying ROCATEX Fibreflow, underfloor heated screeds should be commissioned in line with the heating system/screed guidelines. The heating system must be switched off at least 3 days prior to application to allow the substrate to cool. Once application has been completed allow 1 week before turning the heating system back on. Start with a low temperature and gradually increase at 5°C per day.

MIXING

Mix 25kg of ROCATEX Fibreflow in a clean mixing vessel with 6 litres of cold clean tap water using a slow speed mixing drill with whisk attachment. Mix for a minimum of 2 minutes to ensure that all ingredients are dispersed thoroughly throughout the whole mix and there are no air bubbles.

APPLICATION

Once mixed, the material is immediately ready for use and has a workability time of approximately 25-30 minutes. If the mix stiffens before it has been spread, it must be discarded. Do not add extra water.

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 Fibreflow check the material flow regularly to ensure the correct consistency of material is being achieved.

The minimum temperature at which the product should be laid is 5°C with a maximum of 25°C. Indoor air and floor slab temperatures should exceed 5°C for one week after application. 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.

COVERAGE

For every 1mm thickness 1.62kg of dry powder per square metre will be required, i.e. 1m² at 10mm thickness will require 16.2kg of dry powder.

STORAGE

Store unopened clear of the ground in a cool, dry, frost free environment.

TECHNICAL DATA

Conformity:	Conforms to the requirements of BS EN 13813 CT C30 F9
Application temperature:	6°C to 30°C
Bed thickness:	3-50mm
Mixing ratio:	6 litres of water to 25kg of powder
Open time:	25-30 minutes at 20°C
Foot traffic:	90 minutes at 20°C
Pump application:	Yes
Flow ring values:	235-255mm (65mm Ø, 40mm high flow ring)
Protein free:	Yes
Colour:	Grey
Shelf life:	12 months in cool dry area
Size:	25kg

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.

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DECLARED PERFORMANCE

CE	
Rocatex Ltd, Units 3+4 Camwal Park, Camwal Road, Harrogate, HG1 4PT, UK	
13 DoP No. 005 EN 12004	
Reaction to fire (class)	A1
Release of corrosive substances (declared)	CT
Water permeability (declared)	NPD
Water vapour permeability (declared)	NPD
Compressive strength (threshold)	C30
Flexural strength (threshold)	F9
Wear resistance (threshold)	NR
Sound insulation (declared)	NPD
Sound absorption (declared)	NPD
Thermal resistance (declared)	NPD
Chemical resistance (declared)	NPD