

FineFlow3000

Heavy Duty – Exceptionally Smooth Levelling Compound

FINEFLOW 3000 IS A FAST DRYING, FREE FLOWING, PROTEIN FREE, SHRINKAGE COMPENSATED CEMENT BASED FORMULATION, DESIGNED FOR SMOOTHING AND LEVELLING SUB-FLOORS IN PREPARATION TO APPLYING A FLOOR FINISH.

FINEFLOW 3000 CAN BE APPLIED FROM FEATHEREDGE TO 20MM IN ONE APPLICATION AND IS SUITABLE FOR USE ON TO A LARGE VARIETY OF SUBSTRATES INCLUDING CEMENT/SAND SCREEDS, CONCRETE AND UNDER FLOOR HEATING. FINEFLOW 3000 HAS EXCELLENT LEVELLING/SMOOTHING PROPERTIES RESULTING IN A SMOOTH AND FLAT SURFACE. ITS FAST SETTING PROPERTIES ALLOW FOR LIGHT FOOT TRAFFIC AFTER 3 HOURS AND THE INSTALLATION OF FLOORCOVERINGS SUCH AS VINYL, LINOLEUM, CARPET AND RESIN AFTER 24 HOURS AT 20°C.

ADVANTAGES:

- Fast Drying
- Apply from 2 – 20mm
- Excellent Levelling Properties
- Anti Shrinkage
- Protein Free
- Suitable for Pump Application
- Just add Water
- Suitable for use with under floor heating

USES:

For smoothing screeds and a variety of floor surfaces. The excellent levelling properties of the product make Fineflow 3000 the perfect choice for preparing a surface prior to the installation of a new floor covering. Fineflow 3000 is suitable for use on most common substrates including; sand/cement screeds, concrete, sound asphalt, anhydrite screed, ceramic, quarry and natural stones, minimal adhesive residues and under floor heating.

SUBSTRATE PREPARATION:

Before starting, all substrates must be clean, dry and strong enough to support the weight of the leveller, adhesive and the final covering being applied. Remove 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 surface. Sub-floors directly to earth must have a damp-proof membrane.

For information on preparing all types of surface/substrate prior to applying Fineflow 3000, please refer to "Substrates" below.

RECOMMENDED TOOLS :

- Suitable steel trowel
- Spiked roller
- Slow speed drill and paddle

ADVANTAGES:

- Single part, simply mix with water
- Light foot traffic after 2 hours
- Perfect for underfloor heating
- Excellent levelling properties
- Featheredge to 20mm
- Can be pump applied for large areas

APPLICATION SURFACES

- Sand/cement screed
- Concrete
- Power floated concrete
- Under floor heating
- Anhydrite screeds
- Minimal adhesive residue
- Sound asphalt

FINISHED SURFACES

- Natural Stones
- Porcelain
- Ideal for vinyl flooring
- Epoxy and polyurethane resins
- Water proof membranes



TECHNICAL DATA SHEET

MIXING & APPLICATION:

Mix by adding powder to water. Start with 4 litres of clean water to 20kg of Fineflow and add more water if required. **Do not exceed 4.4 litres of water. Exceeding 4.4 litres of water per unit will result in water bleed and therefore extended drying times and a weakened mix.**

Mix ideally with an electric paddle until you obtain a lump free compound similar in consistency to single dairy cream. Once mixed allow to stand for 2 minutes and stir again before application. Use within 25 – 30 minutes of mixing.

Pour a small quantity onto the prepared surface and trowel down lightly to a depth ideally between 2 and 20mm. The use of a spiked roller will help remove entrapped air and smooth out flow lines. It will start to harden 60 minutes after application (dependant on application depth and atmospheric conditions). The successive laying of coverings is possible after drying 6 hours depending on the ambient temperature and humidity. If you wish to build to a greater depth than 20mm, allow 12 hours to dry and prime with TA Prime Plus between applications.

Setting time will depend on the absorbency of the subfloor, ambient temperature and humidity. It will be slowed by lower temperatures and accelerated by higher temperatures.

Tools must be cleaned in water thoroughly immediately after use.

FINEFLOW 3000 MUST BE LEFT TO DRY BEFORE APPLYING THE FINAL DECORATIVE SURFACE FLOORING. This is typically after 24 hours, however, it can vary and can be faster depending on the choice of surface flooring. The critical moisture content for the flooring in question must be observed.

Please call our 24 hour Helpline 01257 269243. We will be happy to give technical assistance.

PUMP APPLICATIONS:

Fineflow 3000 is ideal for pump application. Mix in accordance with the pump manufacturers instructions. Regular flow checks should be carried out. Ensure the water contents are correct and there is no surface separation.

If you have any questions, for technical 24 hour assistance, call the Helpline 01257 269243

SUBSTRATES:

Concrete/screed:

Ensure new concrete is confirmed dry via consistent moisture readings across the whole surface. Sand/Cement screeds must have a moisture reading of less than 75% RH before work can commence. If it is a new screed, allow 1 day per mm for drying. Remove any laitance from the surface mechanically and remove all dust ideally by vacuum.

It is necessary to prime sand/cement screeds to maintain the flow life and prevent air bubbles rising to the surface. Prime with Primeplus diluted 3 parts water to 1 part Primeplus. **Very porous substrates will require more than one coat.**

Asphalt/Bitumen:

Make sure surface is free of loose dirt and dust. Prime the surface with Primeplus diluted 1 part water to 1 part Primeplus mixed with a little neat cement or sand to form a brush on slurry.

Ceramic tiles:

Remove loose dirt and dust. Prime surface with 1 parts water to 1 part Primeplus mixed with a little neat cement or sand to form a brush on slurry.

Under floor heating:

When applying Fineflow 3000 onto existing under floor heating you must switch heating off 1 week prior to application to allow the substrate to cool sufficiently. Once Fineflow 3000 has been applied, allow 1 week before switching heating on. Start with a low temperature, gradually increasing the temperature over 2 weeks.

Anhydrite/Gypsum Screed:

Ensure the Anhydrite/Gypsum screed is confirmed dry via consistent moisture readings across the whole surface. Anhydrite screeds must have a moisture reading of less than 75% RH before work can commence. If it is a new screed, allow 1 day per mm for drying. Remove any laitance from the surface mechanically and remove all dust ideally by vacuum.

Anhydrite/Gypsum screeds must be sealed prior to applying Fineflow 3000 by applying one coat of Flexmaster diluted three parts water to one part Flexmaster and allow to dry, followed by a second neat coat of Flexmaster.

Vinyl Tiles/Sheet Vinyl:

Ensure the existing vinyl tiles/sheet is firm, stable and well adhered to the substrate to which the vinyl was originally applied to. Make sure surface is free of loose dirt and dust. Prime the surface with Primeplus diluted 1 part water to 1 part Primeplus mixed with a little neat cement or sand to form a brush on slurry.

Power Floated Concrete:

Ensure the surface has been allowed 7 days to cure. Power floated concrete can leave a loose top layer and/or laitance once it has cured. Remove the loose top layer and any laitance from the surface mechanically or by acid etching and remove all dust and particles ideally by vacuum. Once all laitance has been removed, prime the surface with Primeplus diluted 3 parts water to 1 part Primeplus.

TECHNICAL DATA SHEET

Screed classification	CT-C30-F7 to BS EN 1381 3; 2002
Working time @ 20°C	20 – 30 minutes
Time to foot traffic @ 20°C	120 minutes
Application Thickness	2 – 20mm
Compressive Strength N/mm2 (BS EN13892-2)	
1 Day	> 15.0
7 Day	> 23.0
28 Day	> 33.0
Flexural Strength N/mm2 (BS EN13892-2)	
1 Day	> 3.0
7 Day	> 5.0
28 Day	> 8.0

Flow properties using 30mm x 50mm flow ring	125 – 145 mm
Coverage	20 kg pack will cover 4.2 m² at 3mm thickness
Shelf Life	Stored correctly this product has a shelf life of 6 months
Colours	Grey
Pack Sizes	20kg
Note	Do not use below 5°C. Do not use in areas subject to permanent water immersion. Fineflow 3000 is not designed as a wearing surface

HEALTH AND SAFETY:

This product contains Portland cement. When used and stored as instructed the product will contain no more than 0.0002% (2ppm) of water soluble chromium of the total dry weight of the cement components. Use of this product after the advised storage time may increase the risk of allergic reaction.

The information above 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, Lancashire PR25 2DY

Tel: +44 (0)845 208 0040 Fax: +44 (0)845 208 0041



www.tilemasteradhesives.co.uk