

Trade Flow

Multi-Purpose, Double Component Smoothing And Levelling Compound

PROFESSIONAL FLOORING PRODUCTS

- ≡ Apply from 2mm - 12mm
- ≡ Excellent flow and self-levelling properties
- ≡ Ideal for use on heated screeds
- ≡ Use on plywood overlays
- ≡ Install resilient flooring after 12 hours
- ≡ Protein free
- ≡ Low odour

EXCELLENT
FLOW

Walk On
After
2 Hours

INSTALL
RESILIENT
FLOORING
AFTER
12 HOURS



TILEMASTER **TRADE FLOW**

Multi-Purpose, Double Component Smoothing And Levelling Compound

DESCRIPTION:

Tilemaster Trade Flow is a multi-purpose, double component smoothing and levelling floor compound. The specially formulated powder component is mixed with a pre-gauged, protein free polymer liquid, giving a free-flowing, shrinkage compensated floor compound that can be applied from depths of 2mm – 12mm in one application.

Tilemaster Trade Flow has excellent flow properties making it suitable for a wide range of both commercial and domestic applications. Tilemaster Trade Flow is suitable for use on sand & cement screeds, concrete, flooring grade asphalt, damp proof membranes, flooring grade plywood overlays (minimum 9mm) and heated screeds.

Once mixed, Tilemaster Trade Flow will remain workable for 20 - 25 minutes and it will accept light foot traffic after 2 hours in ideal conditions and resilient floor coverings can be applied after 12 hours.

AREAS OF USE:

- ✓ Floors
- ✓ Internal
- ✓ Dry Areas
- ✓ Underfloor Heated Screeds

SUBSTRATES:

Specific substrate preparation can be found in the Substrate Preparation Guide section and these instructions must be followed before installation commences

- ✓ Sand & Cement Screeds
- ✓ Flooring Grade Plywood Overlay (minimum 9mm)
- ✓ Flooring Grade Asphalt
- ✓ Epoxy DPM
- ✓ Concrete
- ✓ Calcium Sulphate Screeds

PREPARATION:

Before starting, all substrates must be clean, dry and strong enough to support the weight of the leveller and the final floor covering being applied. Remove all dust, dirt, oil, grease and other contaminants that may affect adhesion. Where traces of adhesive residue remain, these must be checked to ensure that they are not softened with water and that they are strong, sound and well adhered to the substrate in order to receive a levelling compound.

When installing moisture sensitive floor coverings, the concrete or sand & cement screed should be confirmed dry by consistent moisture readings; <75% relative humidity (RH) or <0.5% residual moisture when tested in accordance with BS 8203. Where a structural damp proof membrane is not present or where rising damp and/or residual moisture results in moisture readings up to 98% RH, a liquid damp proof membrane such as Tilemaster FAST One Coat DPM must be applied before the application of Tilemaster Trade Flow. Surface laitance should be removed from concrete and sand & cement screed surfaces prior to application.

Substrates require priming prior to the application of Tilemaster Trade Flow. Priming the substrate will minimize the risk of pinholes forming, allow for the best flow properties and also prolong the working time of the product. Please refer to the detailed substrate priming information on page 3 of this TDS.

Prior to smoothing plywood overlay ensure that plywood boards are securely screwed down and firmly fixed.

MIXING AND APPLICATION:

Shake the pre-gauged bottle of liquid polymer and pour into a suitable clean mixing bucket. Add the powder component slowly whilst mixing with an electric paddle and continue to mix for a further 2 minutes until a smooth and lump free consistency is obtained. Once mixed do not add further polymer liquid or water.

N.B: Once mixed, Tilemaster Trade Flow will remain workable in the bucket for 20 - 25 minutes at 23°C.

Pour the compound onto the prepared surface and trowel down lightly to a depth between 2mm and 12mm. The use of a spiked roller is recommended immediately in order to remove entrapped air and smooth out flow lines. Setting time will depend on atmospheric conditions/temperatures, it will be slowed by lower temperatures and accelerated by higher temperatures.

If the substrate is impervious Tilemaster Trade Flow should be applied to a minimum overall thickness of 3mm. This is to ensure the uniform drying of the adhesives that are subsequently applied to the Tilemaster Trade Flow.

Clean tools immediately after use with clean water.

SETTING AND COVERING:

In ideal conditions, Tilemaster Trade Flow will accept light foot traffic after 2 hours. Tilemaster Trade Flow must be left to dry before applying the final floor covering. This is typically after 12 hours for resilient flooring such as LVT and vinyl, however, this can vary depending on the choice of surface flooring. Thicker applications may require a longer time to dry prior to applying floor coverings. If there is no air flow within site conditions, the drying time may be restricted.

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SUBSTRATE PREPARATION GUIDE:

Preparation of all substrates is crucial to the success and longevity of all installations. All substrates, as stated in BS 8203, must be rigid, flat, clean, dry and sound and be free of any contaminants. Anything that could compromise adhesion to the substrate, such as dust, dirt, oil, grease, laitance, sealers, waxes and curing agents will need to be mechanically removed. Ensure that all substrates and backgrounds are strong enough to carry the weight of the compound as well as all finished floor coverings and fixing materials.

Floors:

Underfloor Heated Screeds: New sand & cement screeds must be allowed to dry for a minimum of 4 weeks. After this drying out period, the underfloor heating system should be turned on at its lowest temperature setting and the screed should be heated slowly at a maximum rate of 5°C per day up to the maximum operating water temperature, as recommended by the heating manufacturer, and maintained at that level for a further 3 days before being allowed to cool to room temperature. To commission the underfloor heating properly the flow temperature should not be limited by room thermostats. The room thermostats should be disconnected and the temperatures controlled manually via the manifold mixing valve, or at the boiler.

When applying Tilemaster Trade Flow onto an existing, fully cured and dry heated screed, where the underfloor heating has been previously commissioned and used, you must switch the heating off 48 hours prior to application to allow the substrate to cool sufficiently.

Ensure that the surface is clean, dry and free of any contaminants. Prime the surface with Tilemaster Primeplus, diluted 3 parts water to 1 part Tilemaster Primeplus, and allow to dry. If the substrate is overly porous then further coats of diluted Primeplus may be required.

Once the finished floor covering is installed, the heating system should not be run for at least ten days in order to allow the fixing materials to cure/dry thoroughly. When turning on the heating, start at the lowest temperature possible and then gradually increase the temperature of the system, on the thermostat, by no more than 1°C per day until the required temperature is achieved.

Sand & Cement Screeds: New sand & cement screeds must be allowed to dry for a minimum of 4 weeks. Ensure that the surface is clean, dry and free of any contaminants. Prime the surface with Tilemaster Primeplus, diluted 3 parts water to 1 part Tilemaster Primeplus, and allow to dry. If the substrate is overly porous then further coats of diluted Primeplus may be required.

Class 3 Flooring Grade Plywood (minimum 9mm): Ensure that the timber subfloor is adequately braced, rigid and flat. The plywood must be conditioned to the environment in which it is to be used and be of the required thickness. The plywood must be securely fixed to the subfloor by screw fixing at 150mm centres, staggering the board joints of all plywood sheets. Ensure the surface is clean, dry and free of any contaminants.

Prime the surface of existing plywood with one coat of Tilemaster Primeplus, diluted 3 parts water to 1 part Tilemaster Primeplus, and allow to dry. New, uncontaminated flooring grade plywood does not require priming prior to tiling.

Flooring Grade Asphalt: The asphalt must be of a suitable flooring grade and must be hard, sound, in good condition, and well adhered to the substrate. Ensure the surface is clean, dry and free of any contaminants. Prime the surface with one coat of Tilemaster Prime+ Grip and allow to dry.

Epoxy DPM: The Epoxy DPM must be a suitable flooring grade. The DPM must be sound, in good condition, hard and well adhered to the substrate. Ensure the surface is clean, dry and free of any contaminants. Prime the surface with one coat of Tilemaster Prime+ Grip and allow to dry.

Concrete: New concrete must be allowed to cure before having a minimum of 6 weeks continuous air drying. Mechanically remove any laitance and other surface contaminants and remove the dust by vacuum. Prime the surface with one coat of Tilemaster Primeplus, diluted 3 parts water to 1 part Tilemaster Primeplus, and allow to dry. If the substrate is overly porous then further coats of diluted Primeplus may be required.

Power floated concrete will require the surface to be mechanically abraded, to open up the pores and to remove any surface contaminants, before priming.

Calcium Sulphate Screeds: Calcium sulphate screeds dry with laitance on the surface. The laitance must be completely removed by mechanically sanding and/or abrading the surface of the screed. After 7 days the underfloor heating (if the screed is heated) can be commissioned. Once commissioned and allowed to cool the screed can then be moisture tested. Calcium sulphate screeds must be confirmed dry via consistent moisture readings across the whole floor.

Tilemaster Trade Flow is suitable for use on calcium sulphate screeds providing the residual moisture content of the screed is below 0.5%, or the relative humidity is 75% or below. Ensure that the surface is clean, dry and free of any contaminants. Prime the surface with Tilemaster Primeplus, diluted 3 parts water to 1 part Tilemaster Primeplus, and allow to dry. If the substrate is overly porous then further coats of diluted Primeplus may be required. When the first coat of Tilemaster Primeplus is touch dry, apply a neat coat of Tilemaster Primeplus to the surface.

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Screed classification	CT-C20-F6 to EN13813:2002
Working time @ 23°C	20 – 25 minutes
Time to foot traffic @ 23°C	2 hours
Application thickness	2mm – 12 mm
Compressive strength N/mm ² (BS EN 13892-2)	1 day > 10.0 7 day > 15.0 28 day > 20.0
Flexural strength N/mm ² (BS EN 13892-2)	1 day > 3.0 7 day > 5.0 28 day > 6.0
Coverage	A 20kg bag and 5.0Ltr liquid unit will cover 5.0m ² at 3mm thickness
Flow properties using 30mm x 50mm flow ring	135mm – 150 mm
Minimum application temperature	5°C
Shelf life	Stored correctly the powder component has a shelf life of 6 months and 12 months for the latex liquid
Colour	Powder – Grey Liquid - White
Pack size	Bag - 20kg Liquid – 5 Litres
Note	All work must be carried out in accordance with British Standard Code of Practice.

HEALTH AND SAFETY

Tilemaster Trade Flow 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.

 15 DoP 038	
Tilemaster Adhesives Ltd Kerakoll Group Tomlinson Road Leyland PR25 2DY United Kingdom	
EN 13813:2002 CT-C20-F6 Cementitious screed material for use internally in buildings	
Reaction to fire	NPD
Release of corrosive substances	CT
Water permeability	NPD
Water vapour permeability	NPD
Compressive strength	C20
Flexural strength	F6
Wear resistance	NPD
Sound insulation	NPD
Sound absorption	NPD
Thermal resistance	NPD
Chemical resistance	NPD