TECHNICAL DATA SHEET

LevelMore Flow

03/02/25

Kelmore's Level*More* Flow is a fast setting levelling and smoothing compound that can be applied from 2mm to 25mm in a single application. Designed for use on solid floors, including heated screeds, this dimensionally stable, protein-free product flows superbly. It sets with an excellent surface finish and is ready for foot traffic after just 2 hours. Resilient floor coverings can be fitted after 4 hours, and porcelain, ceramic, and natural stone tiles can be fixed after 3 hours. Level*More* Flow has been manufactured to the highest of standards using unique technologies, extensive knowledge and outstanding raw materials. When compared to the production of traditional cementitious flooring compounds, this results in a significant reduction in CO_2 emissions.

LevelMore Flow

Classification *(EN 13813)*		CT-C20-F6
Pack size		20kg
Water required per 20kg bag		4.5 to 5.0 litres
Application temperature (air and background)		≥ 5˚C
Application thickness	Minimum Maximum	2mm 25mm
@20˚C	Working time Walk on Tile after Fit resilient floor coverings after	30 minutes 2 hours 3 hours 4 hours
Consumption per mm thickness		Approximately 1.58kg /m²
After 28 days	Compressive strength Flexural strength	20 N/mm² 6 N/mm²

Areas of Use

Floors	Interior	Domestic	Commercial	Solid Bases	Heated Screeds

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Kelmore

LevelMore Flow

Suitable Floor Backgrounds			PRIMER REQUIRED
A Cement:Sand Screed (inc. Heated)	A Concrete	A Tile Backer Boards (on solid bases)	PrimeMore Universal
B Asphalt (Flooring Grade)	B Epoxy DPM	B Existing Ceramic, Porcelain, and Natural Stone Tiles (on solid bases)	PrimeMore Grip
C Calcium Sulphate/Anhydrite Screed (inc. Heated)			PrimeMore CS

A Prime with one coat of PrimeMore Universal diluted 1:3 with water. Depending on the porosity of the background, additional coats may be required.	B Prime with one neat, undiluted coat of PrimeMore Grip.	C Prime with one neat, undiluted coat of PrimeMore CS.

The primer must be allowed to dry before applying LevelMore Flow.

BACKGROUND AND SURFACE PREPARATION

Backgrounds must be sufficiently dry and strong enough to carry the total weight being applied. All surfaces must be clean, sound and free from contaminants that could inhibit adhesion, such as dust, dirt, oil, grease, laitance, and curing agents.

Guidance notes on suitable floor backgrounds

Prime the following backgrounds with one coat of PrimeMore Universal diluted 1:3 by volume with clean water (1 part PrimeMore Universal to 3 parts clean water).

Depending on the porosity of the background, additional diluted coats of PrimeMore Universal may be required.

All priming coats must be allowed to dry before applying additional coats and before applying the flooring compound.

CEMENT:SAND SCREED

Tile-Fixing (Porcelain & Ceramic): Allow new screeds to dry for at least 3 weeks. For proprietary screeds, follow the manufacturer's recommendations for preparation and drying times.

Fitting Resilient Floor Coverings: Ensure the screed has an effective structural DPM and is dry (≤75% RH). If a DPM is absent or ineffective, or residual construction moisture is present up to 98% RH, apply Kelmore DPM to the surface.

HEATED CEMENT:SAND SCREED

New screeds must be commissioned from 3 weeks after screed installation and before work commences. Heat slowly at a maximum rate of 5°C per day until the maximum operating temperature is reached. Hold this temperature for 3 days before allowing the screed to cool to room temperature. For proprietary screeds, follow the manufacturer's recommendations for commissioning and preparation.

Fitting Resilient Floor Coverings: After commissioning, continue to run the underfloor heating until the screed is confirmed dry (≤75% RH). Switch off underfloor heating 48 hours prior to commencing work.

CONCRETE

Tile-Fixing (Porcelain, Ceramic, Natural Stone): Allow new concrete to cure before being subjected to continuous air drying in good conditions for at least 6 weeks. Power floated concrete should be mechanically prepared to achieve a clean, sound, micro-textured, dust-free surface.

Fitting Resilient Floor Coverings: Ensure the concrete has an effective structural DPM and is dry (≤75% RH). If a DPM is absent or ineffective, or residual construction moisture is present up to 98% RH, apply Kelmore DPM to the surface. Power floated concrete should be mechanically prepared to achieve a clean, sound, micro-textured, dust-free surface and be confirmed dry (≤75% RH).

TILE BACKER BOARDS

Must be installed as instructed by the manufacturer and be securely fixed to suitable, prepared, solid bases. Allow the adhesive used to fix the boards to fully set before commencing work. Please note, to prevent point loading, some proprietary boards will require a minimum compound thickness before installing certain floor coverings.

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Prime the following backgrounds with one neat, undiluted coat of Prime*More* Grip. Allow the primer to dry before applying the flooring compound.

FLOORING GRADE ASPHALT
Must be hard, sound and firmly adhered.

EPOXY DPM
Must be a flooring grade that is compatible with cementitious products. Ensure it is hard, sound and firmly adhered.

EXISTING CERAMIC, PORCELAIN, AND NATURAL STONE TILES
Must be in good condition, free from contaminants and well bonded. Ensure the existing structure can take the additional weight.

Fitting Resilient Floor Coverings: If the existing tiles are fixed to a floor that does not contain an effective structural damp proof membrane, Kelmore DPM must be applied either directly to the surface of the prepared tiles or to a pre-smoothing layer of Level*More* Flex&Fibre, Level*More* Pro, or Level*More* Absolute 30.

Prime calcium sulphate/anhydrite screeds with one neat, undiluted coat of Prime*More* CS. Allow the primer to dry before applying the flooring compound.

CALCIUM SULPHATE/ANHYDRITE SCREEDS
All laitance and surface contaminants must be completely removed.

Tile-Fixing (Porcelain, Ceramic, Natural Stone):
The screed must be confirmed adequately dry (≤85% RH).

Fitting Resilient Floor Coverings: The screed must be confirmed dry (≤75% RH).

HEATED CALCIUM SULPHATE/ANHYDRITE SCREEDS
All laitance and surface contaminants must be completely removed. New heated screeds must be commissioned from 7 days after screed installation and before work commences. The screed should be heated slowly and in accordance with the recommendations of the screed manufacturer.

Tile-Fixing (Porcelain, Ceramic, Natural Stone):
The screed must be confirmed adequately dry (≤85% RH).

Fitting Resilient Floor Coverings:
After commissioning, continue to run the underfloor heating until the screed is confirmed dry (≤75% RH). Switch off underfloor heating 48 hours prior to commencing work.

ADDITIONAL INFORMATION

Underfloor Heating: Level*More* Flow can be used to encapsulate electric underfloor heating cables which have been adhered to prepared, solid floors. For resilient floor coverings, apply Level*More* Flow at the thickness recommended by the manufacturer to ensure the floor covering does not suffer heat damage.

After completing installations on backgrounds incorporating underfloor heating, the heating system should not be run for 10 days. Following this period, the floor temperature must be gradually raised to its optimal operating temperature.

Impervious Backgrounds: To provide an absorbent base for the application of adhesives, when fitting resilient floor coverings, Level*More* Flow must be applied at a minimum thickness of 3mm.

Multiple Layers: Where possible, Level*More* Flow should be applied at the desired thickness in a single application. If additional layers are needed, allow the previous layer to completely dry before priming with diluted Prime*More* Universal. Additional layers must not exceed the thickness of the previous layer.

Protein-Free: Level*More* Flow is suitable for use in biologically sensitive areas.

Mixing

A 20kg bag of Level*More* Flow must be mixed with 4.5 to 5.0 litres of clean, cold water. Within this range, the performance of the product is maintained whilst still offering the flexibility to adjust the water to obtain a desired consistency and flow. **Do not exceed 5 litres of water per 20kg of Level*More* Flow.**

Pour the water into a clean bucket. Gradually add the powder whilst mixing thoroughly with an electric paddle mixer until a smooth, lump-free consistency is achieved. The compound is ready for use immediately after mixing.

Application

Level*More* Flow can be applied at a thickness of 2mm to 25mm in a single application. Pour the mixed compound onto the prepared floor before using a trowel or rake to regulate the thickness and guide the product into the desired areas. If the product has been applied at a thickness that allows free movement of a spiked roller, using it whilst the product is still wet can further enhance the surface finish by removing any trapped air.

Pumped Application

Mix according to the pump manufacturer's recommendations ensuring the correct water ratio is maintained. The mixed product should be smooth and fluid and have no surface separation or bleed. Flow checks should be performed regularly during the pumping process.

Drying

Drying times will vary dependent on the porosity of the background, ambient temperature and humidity. When tested to the industry standard temperature of 20°C, Level*More* Flow can be walked on after 2 hours. Resilient floor coverings can be fitted after 4 hours, and porcelain, ceramic, and natural stone tiles can be fixed after 3 hours. Please be aware that higher temperatures and low humidity will shorten the drying time and lower temperatures and high humidity will extend the drying time.

Coverage

Coverage will vary dependent on the texture of the background and the application thickness of the product. As a guide, a 20kg bag of Level*More* Flow mixed with 5 litres of water will provide the following approximate coverage:

Application Thickness	2mm	3mm	5mm	10mm	20mm	25mm
Approximate Coverage	6.3m²	4.2m²	2.5m²	1.26m²	0.63m²	0.5m²

NOTES:

- Cementitious products should only be used when both air and background temperatures are 5°C or higher. If the temperature falls below 5°C, the chemical reaction required for the product to set is hindered, dramatically slowing the curing process. Normal setting will only resume once temperatures rise. However, if temperatures drop below freezing before the product has fully set, the integrity and performance of the product will be compromised.
- In conditions above 30°C, the product's setting time will be significantly accelerated, which could make it difficult to work with. When use in higher temperatures is unavoidable, steps must be taken to keep the air, background, water, and products as cool as possible.

CLEANING All tools should be cleaned with water after use and before the product sets.

HEALTH AND SAFETY For detailed information, please refer to and follow the advice stated on the SDS (Safety Data Sheet) which can be accessed on our website – www.kelmore.co.uk or alternatively by contacting Kelmore Ltd.

STORAGE AND SHELF LIFE When stored in unopened packaging, off the ground, and in cool, dry conditions, this product has a shelf life of 12 months.

BS 8203 & BS 5385 Level*More* Flow should be used in conjunction with work carried out under the British Codes of Practice for the Installation of Resilient Floor Coverings, or for Wall and Floor Tiling.

All the information supplied by Kelmore Ltd is offered in good faith and is derived from the company's combined knowledge, experience and testing. Without prior notice, due to on-going research and development, the information we offer can be updated at any time. Kelmore's products are developed, tested and manufactured to consistently high standards, however, we accept no liability for any loss or damage which may arise from factors outside of our control, such as site conditions and/or the execution of the work.

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