TECHNICAL DATA SHEET

LevelMore Absolute 30

03/02/25

Kelmore's Level*More* Absolute 30 is an ultra-rapid setting, high-performance, flexible, 2-part levelling and smoothing compound that can be applied from 2mm to 20mm in a single application. Ensuring excellent adhesion, it is suitable for use on a wide range of subfloors, most without the need to prime. Its dependable moisture tolerance also enables use below damp proof membranes. Boasting superb flowing capabilities and dimensional stability, this protein-free product sets with an outstanding surface finish and is ready for foot traffic after just 30 minutes. Resilient floor coverings can be fitted after 90 minutes, and porcelain, ceramic, and natural stone tiles can be fixed after 45 minutes. Level*More* Absolute 30 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. Additionally, Kelmore is committed to supporting the reduction of plastic waste, and by manufacturing Level*More* Absolute 30 liquid in pouches rather than bottles, we have reduced the plastic packaging of this product by >80%.

LevelMore Absolute 30

Classification *(EN 13813)*		CT-C16-F10
Unit size		Bag: 20kg Pouch: 4.5 litres
Application temperature (air and background)		≥ 5˚C
Application thickness	Minimum Maximum	2mm 20mm
@20˚C	Working time Walk on Tile after Fit resilient floor coverings after	15 minutes 30 minutes 45 minutes 90 minutes
Consumption per mm thickness		Approximately 1.58kg /m²
After 28 days	Compressive strength Flexural strength	16 N/mm² 10 N/mm²

Areas of Use

Floors	Domestic	Over Adhesive Residues	Below Damp Proof Membranes	Water Piped Underfloor Heating	Limited Movement/ Vibration
Interior	Commercial			Electric Underfloor Heating	

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Kelmore LevelMore Absolute 30

Suitable Floor Backgrounds				PRIMER REQUIRED
Asphalt (Flooring Grade)	Existing Ceramic, Porcelain, and Natural Stone Tiles	Plywood Overlay (Class 3)	Tile Backer Boards	None Required
A Cement:Sand Screed (inc. Heated)**			A Concrete**	PrimeMore Universal
B Epoxy DPM*		B Metal (Steel)		PrimeMore Grip
C Calcium Sulphate/Anhydrite Screed (inc. Heated)				PrimeMore CS

A Prime with one coat of PrimeMore Universal diluted 1:3 with water.	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 Absolute 30.

*Kelmore DPM does not require priming if applying LevelMore Absolute 30 within 24 hours of application.

**Although priming is not necessary for the compound to bond to these porous backgrounds, priming is recommended to regulate background porosity and will result in improved adhesion, workability and the product's surface finish.

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. Timber bases must be rigid, stable and adequately ventilated. They should support both static and dynamic loads without deflection and be covered with an appropriate intermediate layer. Ensure any remaining adhesive residues are hard, sound, well adhered and not softened by water.

Guidance notes on suitable floor backgrounds

The following backgrounds do not require priming.

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 LevelMore Absolute 30.

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

PLYWOOD OVERLAY (CLASS 3)
Fitting Resilient Floor Coverings: Plywood must be a minimum 6mm thick and conditioned to the appropriate moisture content for the environment. Fix using screw nails, ring shank nails, or screws every 100mm at the sheet's perimeter and 150mm elsewhere.

TILE BACKER BOARDS
Must be installed as instructed by the manufacturer and be securely fixed to rigid, suitable, prepared bases. Where boards have been installed on solid bases using tile adhesive, ensure the adhesive has 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.

For best results, including improved adhesion, workability and surface finish, 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).

Allow the primer to dry 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.

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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).

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

EPOXY DPM

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

METAL (STEEL)

Must be rigid, corrosion-free and clean.

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

Moisture Tolerance: Level*More* Absolute 30 is suitable for use on damp subfloors, provided no surface water is present. It can also be used below damp proof membranes, and when used to pre-smooth textured subfloors, it enhances the coverage of Kelmore DPM.

Underfloor Heating: Level*More* Absolute 30 can be used to encapsulate electric underfloor heating cables which have been adhered to prepared floors. For resilient floor coverings, apply Level*More* Absolute 30 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* Absolute 30 must be applied at a minimum thickness of 3mm.

Adhesive Residues: Only apply Level*More* Absolute 30 at a thickness of 3mm to 6mm over adhesive residues that are hard, sound, well bonded and not softened by water.

Timber Floors: Level*More* Absolute 30 can be used to smooth or level uneven timber floors prior to overlaying with plywood or tile backer boards. The timber floor must be rigid, adequately ventilated and free of all contaminants that could inhibit adhesion and be primed with Prime*More* Grip. Allow the primer to dry before applying the compound, and the compound must be allowed at least 90 minutes to fully dry before fitting the sheets or boards.

Multiple Layers: Where possible, Level*More* Absolute 30 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* Absolute 30 is suitable for use in biologically sensitive areas.

Mixing

Level*More* Absolute 30 is a 2-part product; Level*More* Absolute 30 powder must only be mixed with Level*More* Absolute 30 liquid at a ratio of 20kg powder to 4.5 litres of liquid.

Pour the Level*More* Absolute 30 liquid 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* Absolute 30 can be applied at a thickness of 2mm to 20mm 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.

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* Absolute 30 can be walked on after 30 minutes. Resilient floor coverings can be fitted after 90 minutes, and porcelain, ceramic, and natural stone tiles can be fixed after 45 minutes. 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* Absolute 30 powder mixed with 4.5 litres of Level*More* Absolute 30 liquid will provide the following approximate coverage:

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

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* Absolute 30 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.

UK CA CE EN 13813: CT-C16-F10