TECHNICAL DATA SHEET

LevelMore® Industrial

11/11/26

A heavy-duty, free-flowing levelling and smoothing compound

Key Features

- Exceptional abrasion resistance: designed to be left as a durable wearing surface
- Use in internal domestic, commercial and industrial areas
- Great workability and flow
- Hand or pump applied
- Sets with a smooth, dense surface finish
- Excellent dimensional stability
- Versatile: may also be covered with various coatings and floor coverings



Technical Information

Classification *(EN 13813)*		CT-C35-F10
Abrasion resistance *(EN 8204-2:2003 + A2:2011)*		AR 0.5
Pack size		25kg
Colour		Grey
Water required per 25kg bag		5 litres
Application temperature (air and background)		≥ 5˚C
Application thickness		5-25mm
@20˚C	Working time Walk on Light commercial traffic Industrial traffic Tile after Fit resilient floor coverings after	35 minutes 3 hours 24 hours 7 days 4 hours 12 hours
Consumption per mm thickness		Approximately 1.63kg/m²
Flow rate using a 30mm Ø x 50mm flow ring (EN 12706)		140-150mm
Compressive strength	After 1 day After 7 days After 28 days	>19 N/mm² >31 N/mm² >35 N/mm²
Flexural strength	After 1 day After 7 days After 28 days	>5 N/mm² >8 N/mm² >10 N/mm²
VOC emissions	Very low – Conforms to Eurofins Indoor Air Comfort Gold criteria	

Kelmore®

UK CA CE

EN 13813: CT-C35-F10

Abrasion Resistance (EN 8204-2:2003 + A2:2011)

Performance class	AR 0.5
Service conditions	Withstands severe abrasion and impact; suitable for steel, hard nylon, neoprene and rubber-tyred wheeled traffic.
Typical applications	• Manufacturing • Production • Warehousing • Distribution • Commercial • Sporting • Recreational • Heavy Engineering
BS 8204 test limits	0.05mm

Areas of Use

Floors	Interior	Domestic, Commercial, and Industrial	Solid Bases

Suitable Floor Backgrounds

Cement:Sand Screed	Concrete	Calcium Sulphate/Anhydrite Screed

Background and Surface Preparation

Backgrounds must be sufficiently dry and have the required surface strength. All surfaces must be clean, sound and free from contaminants that could impair adhesion, such as dust, dirt, oil, grease, laitance, and curing agents.

Guidance Notes on Suitable Floor Backgrounds (Wearing coat in domestic and commercial areas)

Prime the following backgrounds with Prime*More* Universal, diluted 1:3 by volume with clean water (1 part primer to 3 parts water). Depending on the porosity of the background, additional diluted coats may be required. All coats must be touch dry before applying additional coats or the flooring compound.

CEMENT:SAND SCREED

- Ensure the screed has an effective structural damp proof membrane and is dry (≤75% RH).
- If a structural damp proof membrane is absent or ineffective, apply One Coat DPM *Fast* or One Coat DPM *Trade* to the surface.
- Ensure the surface has a minimum tensile strength of 0.8 N/mm².

CONCRETE

- Ensure all concrete, including power floated concrete, has an effective structural damp proof membrane and is dry (≤75% RH).
- If a structural damp proof membrane is absent or ineffective, apply One Coat DPM *Fast* or One Coat DPM *Trade* to the surface.
- Power floated concrete must also be mechanically prepared to achieve a clean, sound, micro-textured, dust-free surface.
- Ensure the surface has a minimum tensile strength of 0.8 N/mm².

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 SCREED

- All laitance and surface contaminants must be completely removed.
- The screed must be confirmed adequately dry (≤75% RH).
- Ensure the surface has a minimum tensile strength of 0.8 N/mm².

Guidance Notes on Suitable Floor Backgrounds (Wearing coat in industrial areas)

Using a B2 trowel to gauge the micron thickness, apply One Coat DPM *Fast* or One Coat DPM *Trade* to the following backgrounds. Whilst wet, blind the DPM with fine, kiln-dried sand. Once cured, remove the excess sand by vacuuming.

CEMENT:SAND SCREED

- Ensure the screed is sufficiently dry (≤98% RH) and the surface has a minimum tensile strength of 0.8 N/mm².

CONCRETE

- Ensure the concrete is sufficiently dry (≤98% RH) and the surface has a minimum tensile strength of 0.8 N/mm².
- Power floated concrete must also be mechanically prepared to achieve a clean, sound, micro-textured, dust-free surface.

CALCIUM SULPHATE/ANHYDRITE SCREED

- All laitance and surface contaminants must be completely removed.
- The screed must be confirmed adequately dry (≤90% RH).
- Ensure the surface has a minimum tensile strength of 0.8 N/mm².

Continued on next page...

ADDITIONAL INFORMATION

Commercial and Industrial Areas: To ensure long-term durability, substrate preparation must match the mechanical demands of the environment. Commercial areas which are subject to high foot traffic, light wheeled vehicles, such as trolleys or hospital beds, and occasional maintenance scissor lifts require the substrate to be primed with the appropriate Kelmore primer. Conversely, industrial areas, which can be subject to heavy dynamic loading, continuous forklift traffic, or severe torsional shearing forces from turning machinery, require the installation of a sand-blinded Kelmore epoxy DPM.

Spillages: Resin coatings or concrete sealers must be used as protection against spillages and chemicals.

Guidance Notes on Suitable Floor Backgrounds (Fitting floor coverings)

Prime the following backgrounds with Prime*More* Universal, diluted 1:3 by volume with clean water (1 part primer to 3 parts water). Depending on the porosity of the background, additional diluted coats may be required. All coats must be touch dry before applying additional coats or the flooring compound.

CEMENT:SAND SCREED

Tile-Fixing (Porcelain & Ceramic):

- Allow new screeds to dry for at least 3 weeks.
- Direct fixing of agglomerate and some natural stone tiles will require extended drying times.
- For proprietary screeds, follow the manufacturer's recommendations for preparation and drying times.

Fitting Resilient Floor Coverings:

- Ensure the screed has an effective structural damp proof membrane and is dry (≤75% RH).
- If a structural damp proof membrane is absent or ineffective, apply One Coat DPM *Fast* or One Coat DPM *Trade* to the surface.
- Prime*More* MVS may be used where residual construction moisture is present up to 95% RH, whilst One Coat DPM *Fast* and One Coat DPM *Trade* are suitable for use up to 98% RH.

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 all concrete, including power floated concrete, has an effective structural damp proof membrane and is dry (≤75% RH).
- If a structural damp proof membrane is absent or ineffective, apply One Coat DPM *Fast* or One Coat DPM *Trade* to the surface.
- Prime*More* MVS may be used where residual construction moisture is present up to 95% RH, whilst One Coat DPM *Fast* and One Coat DPM *Trade* are suitable for use up to 98% RH.
- Power floated concrete must also be mechanically prepared to achieve a clean, sound, micro-textured, dust-free surface.

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 SCREED

- 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).

Mixing

Add 5 litres of clean, cold water to a clean mixing bucket. Gradually add one 25kg bag of Level*More* Industrial and mix thoroughly using a paddle mixer until a smooth, lump-free consistency is achieved. The compound is ready for use immediately after mixing.

Application

Pour the mixed compound onto the prepared floor, then use a trowel, rake or pin leveller to regulate the thickness and guide the product into the desired areas. If the applied thickness allows, a spiked roller may be used within the working time to remove any trapped air and further enhance the surface finish.

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 depending on the porosity of the background, ambient temperature and humidity. When tested to the industry standard temperature of 20°C, Level*More* Industrial can be walked on after 3 hours. It will accept light commercial traffic after 24 hours and industrial traffic after 7 days. Porcelain, ceramic and natural stone tiles can be fixed after 4 hours, whilst resilient floor coverings can be fitted after 12 hours. Please note that higher temperatures and low humidity will accelerate the drying, whilst lower temperatures and high humidity will delay it.

Coverage

Coverage will vary depending on the texture of the background and the application thickness of the product. The table below shows the approximate coverage of a 25kg bag of Level*More* Industrial when mixed with 5 litres of water.

Application Thickness	5mm	10mm	15mm	20mm	25mm
Approximate Coverage	3.06m²	1.53m²	1.02m²	0.76m²	0.61m²

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.

Please note: The time required for the product to achieve the stated compressive and flexural strengths may be extended depending on site conditions, including temperature, humidity and background porosity. The product should not be subjected to full in-service conditions until the required strengths have been achieved.

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

Health and Safety: Safety Data Sheets are available on our website or on request using the contact details below.

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 & EN Standards: Product should be used in accordance with the requirements of the relevant British and European Standards.

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.

Kelmore Ltd, The Dell, Berry Way, Chorley, PR7 6RA

Tel: +44 (**0**)**1257 830511** Web: **www.kelmore.co.uk**

Email: **technical@kelmore.co.uk**

Supplied in the EU by: Kelmore EU Ltd

Tel: +353 (**1**)**263 5959** Web: **www.kelmore.ie**

Email: **info@kelmore.ie**

Kelmore® Industrial