

TECHNICAL DATA SHEET

Repair Mortar

23/02/26

An ultra-rapid setting cementitious repair mortar

Key Features

- Moisture tolerant - can be used below damp proof membranes
- Suitable for interior and exterior use
- Ultra-rapid setting formulation
- Highly versatile - use to repair, fill, and patch backgrounds
- Ideal for forming ramps, falls, and coves



Technical Information

Classification (EN 13813)		CT-C30-F6
Pack size		15kg
Water required per 15kg bag		Approximately 2.85 litres
Powder to water ratio (by volume)		Approximately 3½:1 (3½ parts powder to 1 part water)
Application temperature (air and background)		≥ 5°C
Application thickness		2-50mm
@20°C	Working time	15 minutes
	Hard set	30 minutes
	Tile after	60 minutes
	Fit resilient floor coverings after	90 minutes
Consumption per mm thickness		Approximately 1.59kg /m ²
Compressive strength	After 1 day	>15 N/mm ²
	After 7 days	>22 N/mm ²
	After 28 days	>30 N/mm ²
Flexural strength	After 1 day	>3 N/mm ²
	After 7 days	>5 N/mm ²
	After 28 days	>6 N/mm ²

Areas of Use

Walls and Floors	Horizontal and Vertical Applications	Interior and Exterior	Domestic and Commercial	Below Damp Proof Membranes	Heated Screeds
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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 impair adhesion, such as dust, dirt, oil, grease, laitance, and curing agents.

Suitable Backgrounds				PRIMER REQUIRED
A Cement:Sand Screed (inc. Heated)	A Concrete	A Cement:Sand Render	A Concrete Blockwork	None Required
B Precast Concrete				PrimeMore Grip
A Where required, the porosity of the background can be regulated by dampening the surface with clean water prior to applying Repair Mortar.			B Prime with one neat, undiluted coat of PrimeMore Grip. Allow the primer to dry before applying Repair Mortar.	

Guidance Notes on Suitable Backgrounds

The following backgrounds do not require priming. However, where required, the porosity of the background can be regulated by dampening the surface with clean water prior to applying Repair Mortar.

CEMENT:SAND SCREED

Repair Mortar can be used on dry or damp cement:sand screeds providing no surface water is present.

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 ($\leq 75\%$ RH).
- If a structural damp proof membrane is absent or ineffective, apply One Coat DPM Fast or One Coat DPM Trade to the surface.
- PrimeMore 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.

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 ($\leq 75\%$ RH).
- PrimeMore MVS may be used on prepared and commissioned heated screeds where residual construction moisture is present up to 85% RH. Alternatively, One Coat DPM Fast and One Coat

DPM Trade may also be used on prepared and commissioned heated screeds.

- The underfloor heating should be switched off 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 all concrete, including power floated concrete, has an effective structural damp proof membrane and is dry ($\leq 75\%$ RH).
- If a structural DPM is absent or ineffective, apply One Coat DPM Fast or One Coat DPM Trade to the surface.
- PrimeMore 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.

CEMENT:SAND RENDER

Tile-Fixing (Porcelain, Ceramic, Natural Stone):

- Must be true and firmly bonded to the background.
- Prevent from rapid drying and allow to air dry for at least 2 weeks.

CONCRETE BLOCKWORK

Tile-Fixing (Porcelain, Ceramic, and Natural Stone):

- Must be true.
- Allow to dry for at least 6 weeks.

Prime the following backgrounds with one neat, undiluted coat of PrimeMore Grip. Allow the primer to dry before applying the Repair Mortar.

PRECAST CONCRETE

- Must be free from contaminants, including mould oils and release agents.

Mixing

Add approximately 2.85 litres of clean, cold water to a clean mixing bucket. Gradually add one 15kg bag of Repair Mortar, and mix thoroughly using a paddle mixer until a smooth, slump-free consistency is achieved. For smaller mixes, use a powder to water ratio of 3½:1 by volume.

Application

Using a steel trowel, apply the mixed mortar with sufficient pressure to ensure it keys into the background. The mortar can be left proud and trimmed when sufficiently firm. Once firm, the mortar can be finished with a wet trowel to further smooth and enhance the surface.

Setting

At 20°C, the mortar will start to firm from 15 minutes and will be set hard after 30 minutes. Porcelain, ceramic, and natural stone tiles can be fixed after 60 minutes, and resilient flooring can be fitted after 90 minutes. When covering with a levelling and smoothing compound, wait 45 minutes before proceeding.

Coverage

Coverage will vary dependent on the application thickness of the product. The table below shows the approximate coverage of a 15kg bag of Repair Mortar when mixed with 2.85 litres of water.

Application Thickness	2mm	5mm	10mm	25mm	50mm
Approximate Coverage	4.7m ²	1.8m ²	0.9m ²	0.38m ²	0.19m ²

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.
- 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, with an increase of no more than 2°C per day.

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

Health and Safety: For full details, please refer to the Safety Data Sheet, available at www.kelmore.co.uk or 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 & EN Standards: Product should be used in accordance with the requirements of the relevant British and European Standards.

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EN 13813: CT-C30-F6

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