

# TECHNICAL DATA SHEET

# One Coat DPM Trade

01/02/26

A 2-part epoxy damp proof membrane

## Key Features

- Effectively combats residual construction moisture and rising damp
- Suitable where a structural DPM is absent or ineffective
- Accommodates moisture in cementitious screeds up to 98% RH
- Accommodates moisture in calcium sulphate/anhydrite screeds up to 90% RH
- Suitable for use on heated screeds
- Solvent-free



## Technical Information

|                                              |           |                           |
|----------------------------------------------|-----------|---------------------------|
| Pack size                                    |           | 25kg                      |
| Colour                                       |           | Black                     |
| Application temperature (air and background) |           | $\geq 10^{\circ}\text{C}$ |
| Working time (@ 20°C)                        |           | Approximately 20 minutes  |
| Cure time (@ 20°C)                           |           | Approximately 6 hours     |
| Coverage                                     | A2 trowel | 60m <sup>2</sup>          |
|                                              | B1 trowel | 50m <sup>2</sup>          |
|                                              | B2 trowel | 42m <sup>2</sup>          |

## Areas of Use

|        |                       |                         |                |
|--------|-----------------------|-------------------------|----------------|
| Floors | Interior and Exterior | Domestic and Commercial | Heated Screeds |
|--------|-----------------------|-------------------------|----------------|

## Background and Surface Preparation

Ensure the background has sufficient surface strength and is free of any standing water. All surfaces must be clean, sound and free from contaminants that could impair adhesion, such as dust, dirt, oil, grease, laitance, and curing agents. Any existing adhesive residues and levelling and smoothing compounds that are not moisture tolerant will need to be completely removed. Concrete or cementitious screeds that have a rough textured or uneven surface should be pre-smoothed with a moisture tolerant Kelmor levelling and smoothing compound.

### Suitable Floor Backgrounds

|                                       |          |                                                    |                                                         |
|---------------------------------------|----------|----------------------------------------------------|---------------------------------------------------------|
| Cementitious Screeds<br>(inc. Heated) | Concrete | Calcium Sulphate/Anhydrite<br>Screed (inc. Heated) | Existing Ceramic, Porcelain,<br>and Natural Stone Tiles |
|---------------------------------------|----------|----------------------------------------------------|---------------------------------------------------------|

### Guidance Notes for Suitable Subfloors

#### CEMENTITIOUS SCREEDS

- Ensure the moisture content is no greater than 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.
- Switch off underfloor heating 48 hours prior to commencing work.

#### CONCRETE

- Ensure the moisture content is no greater than 98% RH.
- Power floated concrete should be mechanically prepared by suitable means 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 ( $\leq 90\%$  RH).

#### HEATED CALCIUM SULPHATE/ANHYDRITE SCREED

- 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.
- The screed must be confirmed adequately dry ( $\leq 90\%$  RH).
- Switch off underfloor heating 48 hours prior to commencing work.

#### EXISTING CERAMIC, PORCELAIN, AND NATURAL STONE TILES

- Must be in good condition, free from contaminants and well bonded to a solid base.

#### KELMORE'S MOISTURE TOLERANT LEVELLING AND SMOOTHING COMPOUNDS

- LevelMore Absolute 30, LevelMore Pro and LevelMore Flex&Fibre are all moisture tolerant and can be used to pre-smooth cementitious screeds and concrete prior to applying One Coat DPM Trade.

## Mixing

One Coat DPM Trade is a 2-part product consisting of an epoxy resin (Part A) and a liquid hardener (Part B). Both components are pre-measured and must be mixed together in their entirety.

Pour all the hardener (Part B) into the resin tin (Part A) and mix thoroughly using a low-speed paddle mixer until the components are completely combined and the mixture is streak-free and uniform in colour. The product is ready for use immediately after mixing. To optimise working time, the mixed product should be poured onto the subfloor as soon as possible. Due to the product's chemical reaction, leaving it in the tin will increase heat retention and shorten working time.

## Application

To achieve the correct application thickness, apply One Coat DPM Trade using an appropriately sized V-notched trowel (refer to the table below). Hold the trowel at an angle of approximately 60°. As you work, flatten and smooth the wet trowel ridges using a short-pile paint roller that has been pre-coated with mixed product. The final coating should be continuous, even, and free from pinholes.

| Substrate                           | Use When                                    | Minimum Application Thickness | Trowel Required |
|-------------------------------------|---------------------------------------------|-------------------------------|-----------------|
| Cementitious Screeds and Concrete   | Residual moisture is no greater than 87% RH | 250 microns                   | A2              |
|                                     | Residual moisture is 88–98% RH              | 300 microns                   | B1              |
|                                     | A full DPM is required                      | 350 microns                   | B2              |
| Calcium Sulphate/ Anhydrite Screeds | Residual moisture is no greater than 90% RH | 350 microns                   | B2              |

## Drying

Drying times may vary depending on the background porosity, ambient temperature, and humidity.

At 20°C, One Coat DPM Trade will be hard, dry and tack-free after 6 hours. At this point, PrimeMore Grip can be applied to the surface ready to receive a Kelmor levelling and smoothing compound or tile adhesive. If using LevelMoreAbsolute 30 or LevelMore Pro within 24 hours of One Coat DPM Trade being applied, priming is not required.

If the dried surface of the DPM is not glossy or contains pinholes, it indicates that the product was absorbed too quickly into the background. In such cases, a second coat of One Coat DPM Trade will be necessary.

## Coverage

Coverage may vary depending on the background texture and the application thickness of the product. Approximate coverage per pack size is shown in the table below.

| Pack Size | A2 Trowel              | B1 Trowel              | B2 Trowel              |
|-----------|------------------------|------------------------|------------------------|
| 25kg      | up to 60m <sup>2</sup> | up to 50m <sup>2</sup> | up to 42m <sup>2</sup> |

### Notes:

- One Coat DPM Trade should only be applied when both the air and background temperatures are 10°C or higher. Use when temperatures are in excess of 30°C should be avoided as the set time of the product will be accelerated significantly, making it extremely difficult to use.
- Movement joints must not be bridged with One Coat DPM Trade. Use a flexible, impervious jointing system to ensure these joints carry through to the floor finish.
- One Coat DPM Trade mixed with clean, dry sand can be used to fill static joints and cracks. These areas must be allowed to fully cure before applying the damp proof membrane.

**Cleaning:** All tools should be cleaned immediately after use and before the product cures.

**Health and Safety:** One Coat DPM Trade is classified, and appropriate PPE must be worn when using this product. For full details, please refer to the safety data sheets for both components, available at [www.kelmor.co.uk](http://www.kelmor.co.uk) or by contacting Kelmor Ltd.

**Storage and Shelf Life:** When stored in unopened packaging, off the ground, and in temperatures between 5°C and 25°C, this product has a shelf life of 24 months.

**BS & EN Standards:** One Coat DPM Trade should be used in accordance with the requirements of the relevant British and European Standards.

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