

# FAST One Coat DPM

Fast Curing, One Coat, Epoxy,  
Surface Damp Proof Membrane

## PROFESSIONAL FLOORING PRODUCTS

- True One Coat System
- Fast Curing – Ready To Receive Smoothing Compounds In 4 – 5 Hours
- Suitable For Use On Surfaces With A Moisture Reading Of Up To 98% RH
- Can Be Installed Where No Structural DPM Is Present As A One Coat Application.
- Suitable For Use Over Underfloor Heating systems
- Use On Heated Calcium Sulphate Screeds With A Moisture Reading Of Up To 90% RH
- Use On Unheated Calcium Sulphate Screeds With A Moisture Reading Of Up To 95% RH
- Supplied In Convenient Easy To Use Packaging

FAST  
CURING  
4 - 5 Hrs

Use At  
Up To  
98% RH

One Coat  
For  
Constructional  
DPMs



Includes  
A2 / B2 trowel  
and disposable  
gloves

# TILEMASTER **FAST One Coat DPM**

## Fast Curing, One Coat, Epoxy, Surface Damp Proof Membrane

### DESCRIPTION:

Tilemaster FAST One Coat DPM is a two component, solvent free, one coat epoxy Damp Proof Membrane. Tilemaster FAST One Coat DPM is suitable for use in a one coat application on a wide range of substrates including concrete, sand & cement screeds and calcium sulphate screeds. Tilemaster FAST One Coat DPM is ideal for use as a damp proof membrane where the residual moisture content in a new or existing cementitious screed is up to 98% Relative Humidity (RH). Tilemaster FAST One Coat DPM can also be used in a one coat application to deal with damp substrates where a structural damp proof membrane is not present or where the structural damp proof membrane is ineffective. Once cured, Tilemaster FAST One Coat DPM produces a membrane which can accommodate hygrometer readings up to 98% RH on cement based screeds, up to 90% RH on heated calcium sulphate screeds and up to 95% RH on unheated calcium sulphate screeds, without resulting in bond strength issues. Tilemaster FAST One Coat DPM has effective resistance to water, grease, oil, dilute mineral and organic acids.

**PLEASE NOTE:** When applying Tilemaster FAST One Coat DPM to a substrate where a structural damp proof membrane is not present or is ineffective, the product must be applied to a minimum thickness of 350 microns which can be achieved by using the B2 trowel supplied.

### PREPARATION:

Before starting, all substrates must be clean, structurally sound, free from surface water and free from any laitance, dust, dirt or other contaminants e.g. surface hardeners, curing membranes, which may affect adhesion. Any existing floor screeds that are not moisture tolerant must be removed before Tilemaster FAST One Coat DPM is applied. Rough or uneven substrates can be pre-smoothed with Tilemaster Super Flow 30, Tilemaster Pro Flow or Tilemaster LevelFlex+ FINISH prior to the application of Tilemaster FAST One Coat DPM.

**Please Note:** It is very important that Relative Humidity (RH) readings are taken prior to the application of Tilemaster FAST One Coat DPM, in accordance with BS 8203 and BS 5325. The RH readings must be 98% RH or below.

If applying Tilemaster FAST One Coat DPM to an heated screed, the underfloor heating must be switched off a minimum of 48 hours prior to application to allow the screed to cool. New heated screeds must have had the underfloor heating commissioned before applying Tilemaster FAST One Coat DPM.

### MIXING:

Bring both components to a temperature of approximately 15°C before use. Un-Clasp the bottom smaller tin and pour the contents into the larger tin, ensuring that as much of the liquid is removed as possible. Mix both components for at least 2 minutes with a drill or similar, until an even colour is achieved. ***Always mix full container quantities in order to maintain mix proportions.***

### APPLICATION:

#### **Residual Moisture up to 98% RH (Cementitious Screeds):**

Apply one coat of the mixed DPM to the substrate using the supplied A2 trowel before using a foam roller to smooth the product out. Ensure that the roller removes any trapped air bubbles, leaving a uniform, pin-hole free finish.

#### **Up to 90% RH on heated Calcium Sulphate Screeds:**

Apply one coat of the mixed DPM to the substrate using the supplied A2 trowel before using a foam roller to smooth the product out. Ensure that the roller removes any trapped air bubbles, leaving a uniform, pin-hole free finish.

#### **Up to 95% RH on unheated Calcium Sulphate Screeds:**

Apply one coat of the mixed DPM to the substrate using the supplied B2 trowel before using a foam roller to smooth the product out. Ensure that the roller removes any trapped air bubbles, leaving a uniform, pin-hole free finish.

#### **Where no Structural Damp Proof Course Currently Exists:**

When applying Tilemaster FAST One Coat DPM to a substrate where a structural damp proof membrane is not present or is ineffective, Tilemaster FAST One Coat DPM must be applied at minimum thickness of 350 microns, which can be achieved by using the supplied B2 trowel. After applying the product to the substrate use a foam roller to smooth out the DPM and remove any trapped air bubbles.

When Tilemaster FAST One Coat DPM has cured, the DPM should have a glossy, tack free and pin-hole free appearance. If the final appearance of the product after application is dull, this may indicate that the product has been overly absorbed into the substrate and therefore a second coat may be necessary. Likewise, if the final appearance shows signs of pin-holes then a second coat of Tilemaster FAST One Coat DPM will be required.

#### **Curing Time:**

In ideal conditions, Tilemaster FAST One Coat DPM is ready to receive a smoothing compound after as little as 4 - 5 hours drying time.

Within 24 hours of Tilemaster FAST One Coat DPM being applied, Tilemaster Super Flow 30 and Tilemaster Pro Flow can be applied directly to the surface of the DPM without the need to prime. If 24 hours has elapsed since the application of the Epoxy DPM, or a product other than Tilemaster Super Flow 30 or Tilemaster Pro Flow is being used within 24 hours, the surface must be primed with one coat of Tilemaster Prime+ Grip.

If the applied DPM is tacky, this indicates that the DPM has not fully cured and therefore additional curing time should be allowed before covering.

**NB:** It is important when using Tilemaster FAST One Coat DPM that the product is poured on to the surface once mixed. As the reaction is exothermic, if the product is left within the tin after mixing, the working time will be significantly reduced and the product may set in the tin.

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## Fast Curing, One Coat, Epoxy, Surface Damp Proof Membrane

Colour	Dark Metallic
Coverage	<p>When applied to a smooth surface using an A2 trowel:            A 3kg unit will cover up to approximately 7.5m<sup>2</sup>            A 7kg unit will cover up to approximately 17.5m<sup>2</sup>            A 14kg unit will cover up to approximately 35m<sup>2</sup></p> <p>When applied to a smooth surface using a B2 trowel:            A 3kg unit will cover up to approximately 5.5m<sup>2</sup>            A 7kg unit will cover up to approximately 12.5m<sup>2</sup>            A 14kg unit will cover up to approximately 25m<sup>2</sup></p>
Working Time	Approximately 20 minutes at 23°C
Cure Time	Approximately 4 - 5 hours at 23°C
Application Temperature	Between 10°C – 30°C
Shelf Life	18 months if stored in a sealed container, in frost free conditions
Pack Sizes	3kg, 7kg & 14kg Metal Pails

Avoid contact with skin and eyes. During use wear appropriate PPE, including gloves and goggles. Keep large working areas well ventilated at all times. For further information refer to the Material Safety Data Sheet.

**Disposal:** Once the mixed product has cured it is classed as non-hazardous and can be disposed of in normal waste streams. Dispose of empty packaging in accordance with local authority regulations.

The information contained on this Technical Data Sheet is given voluntarily and in good faith. It is to the best of our knowledge true and accurate; however it may contain information which is inappropriate under certain conditions of use. The company cannot accept responsibility for any loss or damage due to inappropriate use or the possibility of variations of working conditions and of workmanship outside our control.

**NOTE:** This product is not designed nor potentially suitable for the repair or making good of newly installed screeds that have been installed being knowingly faulty, out of manufacturers specification or with defects outside of the manufacturers or installers usual standards and specification.