

## M-Bond & M-Bond Extra

A solvent free epoxy bonding agent for concrete or screeds, applied in a single coat (M-Bond) or two coat application (M-Bond Extra) to provide a damp proof membrane as well as a bonder.

Used for bonding and damp proofing concrete, cementitious screeds and polymer modified cementitious screeds to concrete, particularly Isocrete K-Screed, Isocrete Fast K-Screed, Isocrete Screedfast and Isocrete Isogran.



### Thickness:

Inclusion of M-Bond or M-Bond Extra makes thinner screeds possible.



### Resistant:

Resistant to impact damage and surface wear.



### Low Odour:

A solvent free formulations that exhibits low odour during application.



### Water Resistant:

Can be used to provide a full DPM between the concrete and the screed.

## Technical Profile\*

### REACTION TO FIRE

EN 13501-1	E
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### BOND STRENGTH

EN 13892-8	>2.5 N/mm <sup>2</sup>
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### VAPOUR PERMEABILITY

ASTM:E96:90	<5 g / m <sup>2</sup> / mm / 24 hr
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### WATER PERMEABILITY

Karsten test	Nil (impermeable)
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### COMPRESSIVE STRENGTH

EN 13892-2	>45 N/mm <sup>2</sup>
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### FLEXURAL STRENGTH

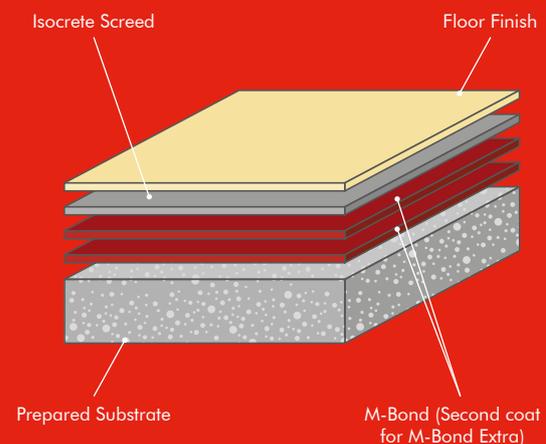
EN 13892-2	17 N/mm <sup>2</sup>
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### TENSILE STRENGTH

BS 6319-7	15 N/mm <sup>2</sup>
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SPEED OF CURE	10°C	20°C	30°C
Pot Life	2 hrs	1 hr	40 mins
Tack Free Time	12 hrs	6 hrs	4 hrs
Full Cure	7 days	7 days	5 days
Light Traffic	48 hrs	24 hrs	16-24 hrs
Full Traffic	5 days	3 days	2 days

\*These figures are typical properties achieved in laboratory tests at 20°C and at 50% Relative Humidity.



## Model Specification

<b>System</b>	M-Bond or M-Bond Extra
<b>Bonder:</b>	M-Bond to be supplied and laid on a suitable sound shotblasted and vacuum cleaned base in accordance with the manufacturers instructions.
<b>Bonder and DPM:</b>	M-Bond Extra to be supplied and laid on a suitable sound shotblasted and vacuum cleaned base in accordance with the manufacturers instructions.

Preparatory work and application in accordance with manufacturer's instructions.

## Products Included In This System

<b>Bonder</b>	M-Bond (Red) @ ~0.5 kg/m <sup>2</sup>
<b>Bonder and DPM</b>	1st coat M-Bond Extra (Red) @ ~0.5 kg/m <sup>2</sup> 2nd coat M-Bond Extra (Black) @ ~0.4 kg/m <sup>2</sup>
The actual coverage rate achieved is dependant on the surface profile. Rough tamped or scabbled bases will require additional material to ensure continuity of the membrane.	

Detailed application instructions are available upon request.

## Substrate Requirements

Concrete or screed substrate should be a minimum of 25 N/mm<sup>2</sup>, free from laitence, dust and other contamination.

## Life Expectancy

M-Bond Extra is in practice a permanent membrane to protect final finishes from moisture related damage for the life of the floor, subject to there being no structural movement nor failure of the concrete slab, no severe thermal cycling nor exposure to temperatures above 50°C.

## Installation Service

The installation should be carried out by a licensed contractor with a documented quality assurance scheme. For details of our licensed contractors, contact your local Flowcrete office. Detailed application instructions are available upon request.

## Overlaying

**M-Bond:** Overlay with cementitious mixes whilst still fluid or tacky. Application onto a fully cured (tack free) surface will result in de-bonding.

**M-Bond Extra:** Apply second coat within 24 hours of the first. Longer overcoating times require the first coat be wire brushed to remove the glossy surface just prior to second coat application.

## Environmental Considerations

The finished system is assessed as non-hazardous to health and the environment. The bonding and controlled moisture vapour permeability enhances the service life of the flooring system, reducing the need for repairs and maintenance. Environmental and health considerations are controlled during manufacture and application of the products by Flowcrete staff and fully trained and experienced contractors.

## Important Notes

Flowcrete products are guaranteed against defective materials and manufacture and are sold subject to our standard 'Warranty, Terms and Conditions of Sale', copies of which can be obtained on request. Warranty does not cover suitability, fit for purpose or any consequential or related damages. Please review warranty in detail before installing the products.

Flowcrete's products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which can be obtained on request. Any suggested practices or installation specifications for the composite floor or wall system (as opposed to individual product performance specifications) included in this communication (or any other) from Flowcrete UK Ltd constitute potential options only and do not constitute nor replace professional advice in such regard. Flowcrete UK Ltd recommends any customer seek independent advice from a qualified consultant prior to reaching any decision on design, installation or otherwise.

System Datasheet written for Flowcrete UK Ltd. Please consult Technical Team in your own country region for specific details. [14/02/19, 01 UK]