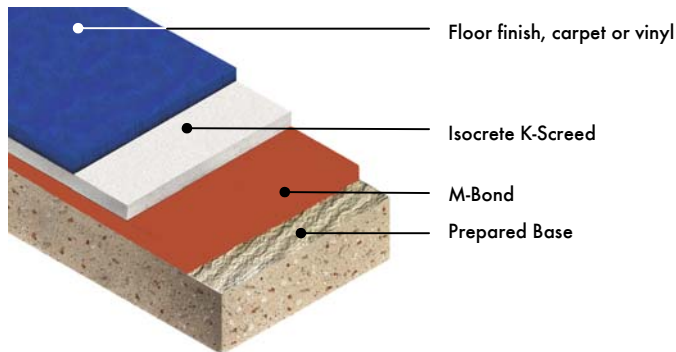
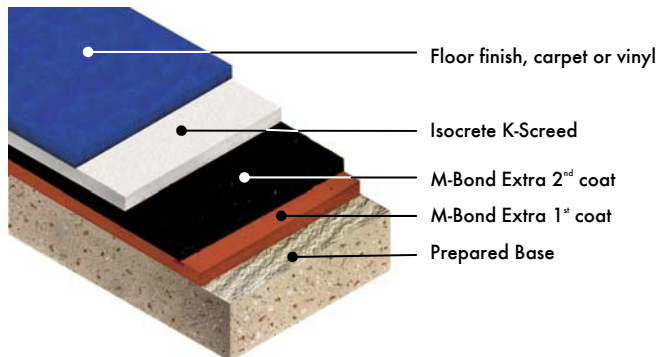


## M-Bond and M-Bond Extra

### TYPICAL SECTION THROUGH M-BOND



### TYPICAL SECTION THROUGH M-BOND EXTRA



#### Description

A 2 pack, solvent free epoxy bonding agent for concrete or screeds.

**M-Bond** is a single coat bonding agent.

**M-Bond Extra** is a 2 coat application to provide a damp proof membrane as well as a bonder.

#### Uses

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.

#### Benefits

- Advantages of bonded screed construction.
- Can be used to provide a full DPM between the concrete and the screed.
- Thinner screeds possible.
- Comparable cost to thicker unbonded systems.
- No reinforcement necessary.
- Bond not affected by 'suction' of substrate.
- Excellent bond.
- Water resistant
- Long open time.
- Low odour.
- Solvent free.

#### Project References

Waverley Centre; Sheffield Hallam University;  
Preston shopping centre; Rochdale A T E;  
Debenhams.

#### Colours

M-Bond is Red.

M-Bond Extra – first coat is Red, second coat Black.

## Model Specifications

Product: **M-Bond or M-Bond Extra**

Preparatory work and application in accordance with manufacturers instructions.

Manufacturer: Flowcrete UK Ltd

Telephone: Customer Service +44 (0)1270 753000

### Bonder

M-Bond to be supplied and laid on a suitable sound shotblasted and vacuum cleaned base in accordance with the manufacturers instructions.

### Bonder and DPM

M-Bond Extra to be supplied and laid on a suitable sound shotblasted and vacuum cleaned base in accordance with the manufacturers instructions.

### Substrate Requirements

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

### Products Included in this System

**Bonder:** M-Bond (Red) @ ~0.5 kg/m<sup>2</sup>

#### Bonder and DPM:

1<sup>st</sup> coat M-Bond Extra (Red) @ ~0.5 kg/m<sup>2</sup>

2<sup>nd</sup> 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.

### Installation Service

The installation should be carried out by an Flowcrete approved contractor with a documented quality assurance scheme.

Obtain details of our approved contractors by contacting our customer service team or enquiring via our web site [www.flowcrete.co.uk](http://www.flowcrete.co.uk).

### 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.

### Focus on the Floorzone

Flowcrete are market leaders in specialist industrial and commercial flooring. Systems available include: underfloor heating systems, floor screeds, surface damp proof membranes, decorative floor finishes, seamless terrazzo, car park deck waterproofing, corrosion protection systems... to name just a few.

Our objective is to satisfy your Floorzone needs.

## Technical Information

The figures that follow are typical properties achieved in laboratory tests at 20 °C and at 50% Relative Humidity.

Reaction to fire	E	EN 13501-1
Bond Strength	> 2.5 N/mm <sup>2</sup>	EN 13892-8
Moisture vapour permeability	< 5 gms / m <sup>2</sup> / 24 hrs	ASTM E96:90
Water Permeability	Nil – Karsten test (impermeable)	
Compressive Strength	45 N/mm <sup>2</sup>	EN 13892-2
Flexural Strength	17 N/mm <sup>2</sup>	EN 13892-2
Tensile Strength	15 N/mm <sup>2</sup>	BS 6319-7

## 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

## 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.

## 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.

## Important Notes

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.