

## M-Bond (New) and M-Bond Extra (New)

### Product sheet

#### Product description

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

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

**Isocrete 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.

The substrate must be surface dry before the application of M-Bond, with no ground water pressure in the concrete. (M-Bond is used as the first coat for M-Bond Extra).

#### Environment & Health

M-Bond is solvent and nonylphenol free and practically odourless during application. Follow the appropriate Occupational Health and Safety guidelines applicable to the location where the application is undertaken. For more information, please refer to the safety datasheets for the individual components.

#### Ratio of components

3 parts of M-Bond or M-Bond Extra Base A are mixed with 1 part of M-Bond Hardener B, by weight.

2 parts of M-Bond or M-Bond Extra Base A are mixed with 1 part of M-Bond Hardener B, by volume.

Add all of Hardener B to Base A. Mix with slow speed drill and helical spinner, taking care not to entrain air.

#### Application temperature

The recommended material and substrate temperature is 10 - 25°C, but no less than 5°C.

The temperature of the substrate should exceed the "dew point" by 3°C during application and hardening. Temperatures should not fall below 5°C in the 24hrs after application.

#### Application time/pot life

Ready-mixed product should be used within 60 minutes at a temperature of 20°C.

At higher temperatures the application time is shorter.

#### Consumption of materials

	M-Bond system	M-Bond Extra system
First Coat (M-Bond)	0.5 kg/m <sup>2</sup>	0.5 kg/m <sup>2</sup>
Second Coat (M-Bond Extra)	-	0.4 kg/m <sup>2</sup>

#### Colours

M-Bond is Red.

M-Bond Extra is Black.

**Curing time** (at 20°C)

M-Bond should be overlaid with cementitious mixes whilst it is still fluid or tacky.  
Tack free 6 hours at 20°C.

**Note:** Do not apply onto a fully cured (tack free) surface as this will act as a de-bond layer.

M-Bond can be overcoated with M-Bond Extra after 6 hours (12 hours at 10°C).

Maximum overcoating time is 24 hours.

If the overcoating time is longer than 24 hours, the M-Bond should be abraded by wire brush to dull the glossy surface prior to the application of the M-Bond Extra.

The product is fully hardened after 5 - 7 days.

**Solids content**

Approx. 100 %.

**Density**

Component A approx. 1.4 kg/l.

Component B approx. 0.95 kg/l.

A+B approx. 1.3 kg/l.

**Storage**

Storage temperature between 5°C and 40°C.

12 months in unopened packs for Components A and B.

Protect from weather and moisture/contaminant ingress.

**Packaging**

The product is delivered A+B in the following packs :

Unit	<b>M-Bond (New)</b> Base A	<b>M-Bond (New)</b> Hardener B
6 kg (4.6 litres)	4.5 kg	1.5 kg
	<b>M-Bond Extra (New)</b> Base A	<b>M-Bond (New)</b> Hardener B
6 kg (4.6 litres)	4.5 kg	1.5 kg

*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.*

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