

Isocrete M-BOND

Isocrete M-BOND EXTRA



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.

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.

Surface Preparation

Laitance and contamination to be removed by totally enclosed shot blasting or scarification. All residues must be removed to provide a clean dry dust free open textured surface.

Optimum performance of the product will be obtained on a fairly smooth base. Rough tamped or scabbled bases will result in reduced coverage rates to ensure continuity of the membrane.

Mixing

Pour total Hardener into the Resin container and drain thoroughly. Ensure that the materials are thoroughly mixed using a slow speed industrial hand drill and helical spinner for a minimum of 2 minutes.

Pack components are pre-weighed for optimum performance. Never split or proportion packs.

Application

Immediately after mixing, spread the M-Bond using a squeegee, forcing liquid into surface irregularities. Finish with a medium pile roller.

Typical Physical Properties

	10°C	20°C
Pot Life	2 hrs	1 hr
Tack free time	12 hrs	6 hrs
Fully cured	7 days	7 days
Bond to concrete	> tensile strength of concrete	
Porosity	nil (Karstner method)	
Moisture Vapour Transmission	< 5 g/m ² /24hours	

Temperature

M-Bond should not be applied at material or floor temperatures below 10°C. Temperatures should not fall below 5°C during the first 24 hours after application.

Overlaying

Isocrete M-Bond should be overlaid with cementitious mixes whilst it is still fluid or tacky.

DO NOT APPLY ONTO A FULLY CURED (TACK FREE) SURFACE AS THIS WILL ACT AS A DE-BOND LAYER.

For Isocrete M-Bond Extra apply a second coat not more than 24 hours after application of the first coat. If the overcoating time is longer than 24 hours, the first coat should be abraded by wire brush to dull the glossy surface prior to the second application.

Coverage

0.4 to 0.5 kg/m² First coat
0.3 to 0.4 kg/m² Second coat
dependant on surface profile (see Surface Preparation).

Colour

M-Bond - Red
M-Bond Extra 1st coat - Red
2nd coat - Black

Packaging

Supplied in 5 kg composite packs, consisting of Base A and Hardener B. Base A supplied in red and black.

Tool Cleaning

Clean with solvent before the product has cured.

Storage & Shelf Life

Stored unopened in dry conditions at 10 - 25 °C, shelf life will be 12 months minimum.

Protection on completion

Ensure adequate protection from following trades after installation.

Health & Safety

Some of the components of this product may be hazardous during mixing and application. Please consult the relevant Health & Safety data sheets, available from Isocrete on request.

Further information

Where other products are to be used in conjunction with this material, the relevant technical data sheets should be consulted to determine total requirements.

Isocrete have a wealth of technical & practical experience built up over many years in our pursuit of excellence in flooring and concrete technology. Clients are welcome to call our Technical Desk or visit our Technology Centre in Sandbach.

Important Note

Isocrete's products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms & Conditions of Sale, copies of which may be obtained on request. Whilst Isocrete endeavours to ensure that any advice, recommendation, specification or information is accurate and correct, it cannot - because it has no direct or continuous control over where or how its products are applied - accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation or information given by it.

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Model Specification

Isocrete M-bond Extra resin DPM and bonder to be supplied and laid on a suitable sound shotblasted and vacuum cleaned base in accordance with the instructions of **Isocrete Commercial Flooring Ltd.**

**Isocrete Commercial Flooring
The Flooring Technology Centre
Booth Lane
Sandbach
Cheshire
CW11 3QF
Tel: +44 (0) 1270 753753
Fax: +44 (0) 1270 753333**