

Isocrete M-Bond Extra

Application Instructions

Introduction

Isocrete M-Bond Extra is a two coat application, solvent free, two pack epoxy resin bonding agent and damp proof membrane for concrete and screeds.

Supplied in composite packs, consisting of Base A and Hardener B. Base A supplied in red and black. Pack components are pre-weighed for optimum performance. Never split or proportion packs.

Note: These instructions should be read in conjunction with relevant product technical data sheets.

Preparation of Substrate

Totally enclosed heavy shot blasting or scarification. All residues must be removed to provide a dry, dust free open textured surface.

Note that:

Concrete is a very porous material; as it warms during the day it "outgases" (expels air). A coating applied while the concrete is out gassing is likely to develop bubbles and pinholes.

To avoid this, the material should be applied when the temperature of the concrete substrate is static or falling (usually this is from late afternoon into the night).

Stop applying the material well before dawn, so it has time to set up (firm to the touch) before out gassing begins. This may be anywhere from 1 to 6 hours, depending upon the weather conditions and the product applied. In addition, it is a good idea to shade the work area from direct sunlight.

An additional priming process may be required in situations where out gassing could be a problem. Consult Flowcrete for priming recommendations.

Coating with Isocrete M-Bond Extra

The substrate must be surface dry before the application of Isocrete M-Bond Extra with no ground water pressure in the concrete. The temperature of the substrate should exceed the "dew point" by 3°C during application and hardening.

The application temperature should be in the range 10-25°C. Temperatures should not fall below 5°C during the first 24 hours after application.

Pot life is 2 hours at 10°C; 1 hour at 20°C.

Mixing

Add all the contents of Hardener B to the Base A container. Mix with a slow speed industrial drill and helical spinner head for 2 minutes. Do not attempt to mix by hand.

Application of First Coat (M-Bond)

Apply the first coat (red) by squeegee and medium pile roller at **0.5 kg/m²**. Allow to cure to a tack free condition (typically 6 hours at 20°C).

Application of Second Coat (M-Bond Extra)

Within 24 hours of the first coat, apply the second coat (black) at **0.4 kg/m²** by squeegee and medium pile roller and whilst still wet apply the screed.

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.

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

Tool Cleaning

Clean with solvent before product has cured.

Health and Safety

Some of the components of this product may be hazardous during mixing and application. Please consult the relevant Health and Safety data sheets, available from Flowcrete UK Ltd.

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.