

## Concrete Primer

### FORMERLY FLEXCRETE BONDING BRIDGE 842

#### PRODUCT DESCRIPTION

A water-based (VOC free), advanced, polymer modified, cementitious surface impregnant with high penetration into concrete.

#### INTENDED USES

Designed to enhance the bond between high porosity concrete and Intercrete Repair Mortars. Intercrete 4812 further increases the adhesion of Intercrete Repair Mortars and prevents rapid drying at the concrete interface on porous backgrounds with high suction.

#### PRACTICAL INFORMATION FOR INTERCRETE 4812

<b>Volume Solids</b>	Not applicable			
<b>Density</b>	1900kg/m <sup>3</sup> (119lb/ft <sup>3</sup> )			
<b>Practical Coverage</b>	A 4kg pack will cover approximately 16m <sup>2</sup> on repaired and typical concrete surfaces. Coverage will be reduced on uneven and porous substrates with high suction.			
<b>Method of Application</b>	Brush			
<b>Shelf Life</b>	12 months at 20°C (68°F).			
<b>Pack Size</b>	4kg composite packs			
<b>Working Pot Life</b>	20°C (68°F) 2 hours			
<b>Drying Time</b>	Overcoating interval with self			
<b>Temperature</b>	<b>Touch Dry</b>	<b>Hard Dry</b>	<i>Minimum</i>	<i>Maximum</i>
20°C (68°F) <sup>1</sup>	1	1	1	1

<sup>1</sup> Not applicable

#### COMPLIANCE AND CERTIFICATION

When used as part of an approved scheme, this material has the following certification:

- Cements used are quality assured complying with EN 197.
- BBA Approved, certificate no. 05/4276



## Protective Coatings

## Concrete Primer

### SPECIFICATION CLAUSE

The bonding agent shall be an advanced, polymer modified, cementitious surface impregnant with high penetration into concrete. It shall be BBA Certified and incorporate quality assured cements that comply with EN 197.

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### SURFACE PREPARATION

#### Concrete

Mechanically remove all damaged concrete back to sound, intact material. It is recommended that any steel reinforcement present be exposed to at least 25mm (1.0 inch) behind the bars and 50mm (2.0 inches) beyond the point at which corrosion is visible. On cutting back, feather edges must be avoided. The perimeter of the repair area should be stepped to a depth of 10mm by means of saw, disc cutting or preferably using a power chisel. The areas to be treated must be free from all unsound material, dust, oil, grease, corrosion by-products and organic growth. Smooth surfaces should be roughened, all loose material and surface laitance removed and reinforcement cleaned to bright steel (ISO8501-1 Sa2½ / SSPC SP10) using wet grit blasting techniques or equivalent approved methods.

The strength of the concrete sub-base should be a minimum of 20MPa.

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### APPLICATION

#### Mixing

The pre-packaged Intercrete 4812 comprises Part A (polymer dispersion) and Part B (powder) to form a 4kg pack. In order to form the bonding bridge between the concrete to be repaired and the relevant Intercrete Repair Mortars, shake Part A before use and pour approximately half into a suitable mixing container. Add Part B slowly while mixing, and when homogeneous, add the remainder of Part A. Remix thoroughly, without lumps, for 2-3 minutes using a low speed electric mixer. Smaller amounts may be produced by hand mixing using the measuring kit provided. The resultant mixed material should have a thin slurry consistency.

NOTE: DO NOT ADD WATER OR OTHER MATERIALS TO THIS PRODUCT

#### Brush

Recommended

#### Work Stoppages / Clean Up

Clean all equipment immediately after use with clean water.

All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.

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### PRODUCT CHARACTERISTICS

#### Priming

The prepared substrate concrete should be thoroughly soaked (preferably 24 hours before) with clean water until uniformly saturated without any standing water.

#### Placing

The mixed Intercrete 4812 should be brushed onto, and worked into, the pre-dampened surface of the concrete to be repaired. If the product is allowed to dry then it must be mechanically removed by blast cleaning or handheld power tools before re-application as above.

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### APPLICATION TIPS

- Do not apply between layers of repair mortars.

Do not use in conjunction with the Intercrete range of cementitious coatings; use Intercrete 4850.

- Cold Weather Working (See separate Guide):  $\geq 3^{\circ}\text{C}$  (37°F) on a rising thermometer,  $\geq 5^{\circ}\text{C}$  (41°F) on a falling thermometer.
- Do not use any Part A which has been frozen.
- Hot Weather Working (See separate Guide): Store material in cool conditions to maximise working life. Shade applied material from strong sunlight. If possible, avoid extreme temperatures by working at night.

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### SAFETY PRECAUTIONS

This product is intended for use only by professional applicators in industrial situations in accordance with the advice given on this sheet, the Safety Data Sheet and the container(s), and should not be used without reference to the Safety Data Sheet (SDS).

All work involving the application and use of this product should be performed in compliance with all relevant national, Health, Safety & Environmental standards and regulations.

If in doubt regarding the suitability of use of this product, consult International Protective Coatings for further advice.

### Important Note

*The information in this data sheet is not intended to be exhaustive; any person using the product for any purpose other than that specifically recommended in this data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at their own risk. All advice given or statements made about the product (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability at all for the performance of the product or for (subject to the maximum extent permitted by law) any loss or damage arising out of the use of the product. We hereby disclaim any warranties or representations, express or implied, by operation of law or otherwise, including, without limitation, any implied warranty of merchantability or fitness for a particular purpose. All products supplied and technical advice given are subject to our Conditions of Sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is liable to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to check with their local representative that this data sheet is current prior to using the product.*

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