

BONDING BRIDGE 842

Bonding Agent for High Porosity Concrete

USES

To enhance the bond between high porosity concrete and the relevant **FLEXCRETE REPAIR MORTARS** or other cement based materials. It can compensate for some inadequacies in surface preparation and prevents rapid drying of the mortar at the concrete interface on porous backgrounds with high suction.

ADVANTAGES

- Materials are pre-packaged in a convenient and easy to handle size and only require mixing using the measuring kit supplied.
- **BONDING BRIDGE 842** is simply brush applied in one coat, and further increases the adhesion of **FLEXCRETE REPAIR MORTARS** and other cement based materials.
- Economic cementitious surface impregnant.

COMPLIANCE

Cements used are quality assured complying with EN 197. Approved by the BBA, Certificate No. 05/4276.

PRODUCT DESCRIPTION

BONDING BRIDGE 842 is an advanced, polymer modified, cementitious surface impregnant with high penetration into concrete. **BONDING BRIDGE 842** further increases the adhesion of **FLEXCRETE REPAIR MORTARS** and prevents rapid drying at the concrete interface on porous backgrounds with high suction.

APPLICATION DATA

Application Guide available on request.

PREPARATION

Mechanically remove all damaged concrete back to a sound core. Wherever possible, the full circumference of the steel reinforcement should be exposed to at least 25mm behind the bars and 50mm 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 or disc cutting or preferably using a power chisel. The area to be treated must be free from all unsound material, i.e. dust, oil, grease, corrosion by-products and organic growth. Smooth cut surfaces should be roughened, all loose material and surface laitance removed, and reinforcement cleaned to bright steel using wet grit blasting techniques or equivalent approved methods. The strength of the concrete sub-base should be a minimum of 20 MPa.

PRIMING

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

TECHNICAL DATA

Basis:	Advanced styrene acrylic copolymer modified cementitious impregnant.
Mixed Colour:	Grey
Mixed Density:	1900 kg/m ³
Min Application Temperature:	5°C
Max Application Temperature:	35°C (inc substrate temp)
Working Life:	2 hours at 20°C
Drying Time:	2-3 hours depending on temperature and base concrete porosity.

PACKAGING AND COVERAGE

Pack Size:	4kg composite pack
Coverage (approx.):	16m ² from a 4kg pack on repaired and normal concrete surfaces.
	This rate will be considerably reduced on porous or uneven surfaces with high suction.

MIXING

The pre-packaged **BONDING BRIDGE 842** comprises Component A (polymer dispersion) and Component B (powder) to form a 4kg pack. In order to form the bonding bridge between the concrete to be repaired and the relevant **FLEXCRETE REPAIR MORTARS**, shake Component A before use and pour approximately half into a suitable mixing container. Add Component B slowly while mixing, and when homogeneous, add the remainder of Component 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

PLACING

The mixed **BONDING BRIDGE 842** should be brushed onto, and worked into, the pre-dampened surface of the concrete to be repaired. If the **842** is allowed to dry then it must be mechanically removed by blast cleaning or hand held power tools before re-application as above.

CLEANING

All tools should be cleaned with water immediately after use.

SHELF LIFE

Shelf life is 18 months for unopened containers stored in dry, frost free conditions at moderate temperatures not greater than 20°C.

SAFETY DATA

Safety Data Sheet available on request.



Flexcrete Technologies Limited

Tomlinson Road

Leyland

Lancashire

PR25 2DY

United Kingdom

Tel: +44 (0) 845 260 7005

Fax: +44 (0) 845 260 7006

Email: info@flexcrete.com

Web: www.flexcrete.com



v0710