

Water Based Acrylic

FORMERLY FLEXCRETE MONODEX ICB

PRODUCT DESCRIPTION

A single component, low VOC, elastomeric, water-based crack-bridging filler and coating which is designed for use where enhanced crack-bridging properties are required. It is capable of bridging existing cracks up to 1mm (40 mils) and also acts as a filler for pores, cavities and blowholes.

Supplied as a ready-mixed paste for ease of use, it is highly cost-effective and can be applied straight onto the substrate as no primers are required.

INTENDED USES

Designed for use on concrete structures which exhibit existing cracks up to 1mm or which have a high risk of cracks forming. Fills cracks, pores, cavities and blowholes. High solids content minimises shrinkage in deeper applications. Intercrete 4895 is an economic material requiring no substrate or inter-layer priming. It can be applied to existing paint finishes and demonstrated excellent crack-bridging properties even at temperatures as low as -20°C (-4°F).

PRACTICAL INFORMATION FOR INTERCRETE 4895

Volume Solids	66%			
Density	1.34kg/l (11.1lb/gal)			
Theoretical Coverage	1 m ² /litre at 660 microns d.f.t and stated volume solids 40 sq.ft/US gallon at 26.4 mils d.f.t and stated volume solids			
Practical Coverage	Coverage rate applies to smooth, non-absorbent surfaces. Practical coverage will depend upon the surface profile and porosity of the area being coated and appropriate losses must be taken into consideration.			
Method of Application	Airless Spray, Brush, Roller, Trowel			
Shelf Life	24 months at 20°C (68°F).			
Pack Size	15 litre packs			
Drying Time	Overcoating interval with self			
Temperature	Touch Dry	Hard Dry	<i>Minimum</i>	<i>Maximum</i>
20°C (68°F)	3 hours	24 hours	2 hours	Not applicable



Protective Coatings

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SURFACE PREPARATION

Concrete

The areas to be treated must be free from unsound material, i.e. dust, oil, grease, corrosion by-products and organic growth. Mechanically remove surface laitance and any soft, sandy or flaking material. Use techniques to achieve the required degree of preparation, such as wet grit or water blasting or equivalent approved methods. Intercrete Concrete Repair Mortars must be allowed to cure for a minimum of 24 hours. Concrete and cementitious screeds or renders must be a minimum of 10 days old and preferably 28 days old.

APPLICATION

Mixing

Intercrete 4895 is a one component product and should always be mixed thoroughly prior to use.

Airless Spray

Recommended

Tip Range 0.38-0.48 mm (15-19 thou)

Total output fluid pressure at spray tip not less than 176 kg/cm² (2500 p.s.i.)

Brush

Recommended

For brush application, use wide, soft nylon or bristle brushes.

Roller

Recommended

Use a medium pile synthetic cover

Trowel

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 **Concrete**

No primers required. On highly absorbent surfaces, dilute 2 parts Intercrete 4895 with 1 part clean water by weight and apply at a coverage rate of 5m²/litre by brush or roller as a sealing coat. Ensure substrate moisture content is less than 20% wood moisture equivalent prior to application and ensure complete coverage. Rough or porous surfaces will increase consumption.

Application

Apply Intercrete 4895 by brush, roller, trowel or airless spray, depending on the application.

When used as an intermediate coat, apply by brush roller or airless spray techniques, ensuring that a uniform film is achieved and that all blow holes and surface defects have been filled. To reduce the surface texture for roller application, dilute up to 5% with clean water. Dilute up to 10% with water for airless spray application. Apply a second coat as required.

For use as a profiling mortar, bulk out with up to 20% by weight of a 0.1-0.3mm (4-12 mil) clean, kiln-dried sand and apply by trowel to achieve the desired finish (bulking with sand will alter properties).

Allow to dry for 1-4 hours in ideal conditions, until touch dry, before applying a second coat. To assist application and to act as a guide to coverage, each coat may be applied in a contrasting colour.

Reinforcing Cracks and Joints

Intercrete 4895 will accommodate cracks and joints, typically up to a width of 1mm (40 mil). Fill larger static cracks with an initial application of Intercrete 4895 bulked out with sand, allow to dry and overcoat as detailed above. Fill live cracks, construction joints and joints between dissimilar materials with Intercrete 4895, allow to dry and if necessary, lightly sand to remove any prominent edges before overcoating.

CE mark applies to products manufactured at Tomlinson Road, Leyland, PR25 2DY England, under reference 2797-CPR-530942.

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TECHNICAL DATA / MECHANICAL CHARACTERISTICS

Standard and Property	BS EN 1504-2 Requirement	Result
EN 1542 Adhesive Bond (concrete)	>= 0.80 MPa Crack bridging or flexible systems	>0.80 MPa at typical DFT
EN ISO 7783-2 Water Vapour Permeability (Equivalent Air Layer Thickness)	Class 1 (Permeable) S_D = <5m	S_D = 0.33m
EN 1062-6 Method A Permeability to CO ₂	S_D >= 50m (R)	S_D = 417m @ 600µm DFT
Equivalent Concrete Thickness		S_c = 1245mm
BS 903 Part A2 Elongation at Break		300% at 600µm DFT
BS 903 Part A2 Tensile Strength		0.55 Mpa
EN 1062-11 Accelerated Weathering		No blistering, cracking or flaking after 5,000 hours QUV-B weathering
EN 13501-1 Reaction to Fire	Euroclass	Euroclass F

Note: The properties given above are obtained from laboratory tests: results obtained from on-site testing may vary according to site conditions.

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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