

Concrete Primer

FORMERLY FLEXCRETE CEMPROTEC EF PRIMER

PRODUCT DESCRIPTION

A highly penetrating, single component, modified styrene acrylic copolymer impregnant.

INTENDED USES

Specifically designed to stabilise and seal cementitious floors prior to the application of the Intercrete range of cementitious coatings.

Intercrete 4850 increases the adhesion of cementitious coatings and prevents rapid drying and out-gassing at the concrete interface on porous substrates.

PRACTICAL INFORMATION FOR INTERCRETE 4850

Colour	Pale Blue			
Gloss Level	Not applicable			
Volume Solids	23%			
Density	1.02kg/m ³ (0lb/ft ³)			
Typical Thickness	50 microns (2 mils) dry equivalent to 217 microns (8.7 mils) wet			
Theoretical Coverage	4.60 m ² /litre at 50 microns d.f.t and stated volume solids 184 sq.ft/US gallon at 2 mils d.f.t and stated volume solids			
Practical Coverage	Practical coverage will depend upon the complexity and porosity of the area being coated and appropriate losses must be taken into consideration			
Method of Application	Roller, Brush			
Shelf Life	12 months at 20°C (68°F).			
Pack Size	5 litre units, 25 litre units			
Drying Time	Overcoating interval with self			
Temperature	Hard Dry	Touch Dry	<i>Minimum</i>	<i>Maximum</i>
20°C (68°F)	2 hours	2 hours	Not applicable	Not applicable



Protective Coatings

Concrete Primer

SURFACE PREPARATION

Concrete

New surfaces generally only require a minimum of 1 day cure prior to treatment. Surface laitance and curing membrane must be removed by blast cleaning techniques or acid etching. Intercrete repair materials and polymer modified toppings may also be overcoated after 1 day.

Existing surfaces should be inspected thoroughly. The areas to be treated must be free from all unsound material, i.e. surface laitance, dust, oil, grease, organic growth or previous surface treatments, and smooth surfaces should be roughened. This can be achieved by using portable shot-blasting equipment (e.g. Blastrac) or other approved blasting or scarifying techniques. Areas that are to receive a topping should be prepared using a scabbling or planing machine to give sufficient surface texture. Any remaining oil and grease contamination must be removed with a proprietary degreasant. In some instances of heavy contamination, it may be necessary to use hot compressed air equipment, flame spalling or steam cleaning techniques.

All previous repair materials, patches, etc. which are unsound should be removed and major cracks, voids, defects, etc. should be cleaned out prior to making good using an appropriate Intercrete repair mortar. Final high pressure water jetting is recommended to remove any remaining debris to leave a thoroughly clean, dust free open textured surface.

The prepared substrate should be thoroughly soaked with clean water until uniformly saturated without any standing water.

APPLICATION

Mixing

Intercrete 4850 is supplied as a single component liquid.

Brush

Recommended

See Product Characteristics

Roller

Recommended

See Product Characteristics

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

Placing

Intercrete 4850 should be poured onto the prepared surface and spread to the desired coverage rate (as detailed below) using a brush or roller. Allow the material to become a transparent blue colour before continuing, typically 30-90 minutes. If the Intercrete 4850 is not overcoated within 7 days it must be mechanically removed by blast cleaning or hand held power tools before re-application as above. If subject to ponded water during the 7 day overcoat window, inspect for softening and degradation, mechanically remove any affected primer using blast cleaning or hand held power tools and reapply.

Coverage

Substrate	Expected Coverage
Porous concrete	3m ² /litre
Typical concrete (20-30N/mm ²)	5m ² /litre
Dense/power floated concrete	7m ² /litre
Intercrete levelling coat	10m ² /litre

APPLICATION TIPS

- Rough, porous or irregular substrates will reduce coverage.
- For roller application, use short pile rollers or equivalent.
- Low temperatures and/or high humidity will extend drying times.
- Clean brushes and rollers occasionally during use.
- 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.
- Protect from prolonged storage at temperature higher than 40°C (104°F).

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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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