

Concrete Primer

PRODUCT DESCRIPTION

A single component, water based acrylic primer designed to stabilise and seal concrete floors prior to the application of Intercrete products.

INTENDED USES

Specifically designed with high penetration to reduce the risk of out-gassing from concrete substrates and to increase the adhesion of subsequent layers of Intercrete cementitious coatings and mortars.

PRACTICAL INFORMATION FOR INTERCRETE 4850

Colour	Pale Blue			
Gloss Level	Matt			
Volume Solids	25%			
Typical Thickness	50 microns (2 mils) dry as a guide only			
Theoretical Coverage	125m ² at recommended dry film thickness per 25 litre unit			
Practical Coverage	Allow appropriate loss factors			
Method of Application	Brush, Roller			
Drying Time	Overcoating interval with self			
Temperature	Touch Dry	Hard Dry	<i>Minimum</i>	<i>Maximum</i>
20°C (68°F)	2 hours	2 hours ¹	30 minutes	7 days ²

¹ Recommended walk-on time will be evident when the colour becomes translucent blue

² If the maximum overcoating interval is exceeded Intercrete 4850 must be removed by blast cleaning or power tooling prior to re-application

REGULATORY DATA

Flash Point (Typical)	Not applicable		
Product Weight	1.02 kg/l (8.5 lb/gal)		
VOC	0 g/l	Calculated	

See Product Characteristics section for further details

Protective Coatings

Concrete Primer

SURFACE PREPARATION

All surfaces should be clean and free from laitance, curing compounds, release agents, efflorescence, grease, oil, dirt, old coatings and loose or disintegrating concrete. The preferred methods of surface preparation are wet grit, water blasting techniques or scabbling to provide a roughened surface.

Any defects such as larger voids and exposed steel reinforcement must be treated using the appropriate Intercrete products. Consult the Intercrete 4850 Application Guidelines for further information.

Thoroughly soak the substrate with clean water until fully saturated. Remove excess water prior to application of Intercrete 4850.

The compressive strength of the concrete substrate should be a minimum of 20MPa.

APPLICATION

Mixing

Intercrete 4850 is supplied as a single component liquid. The bottle should be shaken thoroughly before use.

Intercrete 4850 Application

Intercrete 4850 should be poured onto the prepared substrate and evenly spread using a brush or roller.

Thinner

DO NOT THIN

Cleaner

Clean Water

Work Stoppages

Thoroughly clean all equipment with clean water.

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

Always consult the Intercrete 4850 Application Guidelines prior to use.

This datasheet provides general guidance on the use of Intercrete 4850. Specific project requirements will be dependent upon the substrate type, substrate condition, service end use and environmental conditions. Always consult International Protective Coatings to confirm that Intercrete 4850 is suitable for the intended end use.

The detailed project specification provided by International Protective Coatings must be followed at all times.

Intercrete 4850 must be protected from freezing at all times during storage and transport. The recommended storage temperature is between 4°C (39°F) and 25°C (77°F).

This product will not cure adequately below 5°C (41°F). For maximum performance, curing temperatures should be between 10°C (50°F) and 35°C (95°F).

Note: VOC values are typical and are provided for guidance purpose only. These may be subject to variation depending on factors such as differences in colour and normal manufacturing tolerances.

SYSTEMS COMPATIBILITY

Depending upon the condition of the substrate and any exposed steel reinforcement, additional surface preparation products from the Intercrete range may be required in combination with the application of Intercrete 4850. Consult International Protective Coatings for further details.

The following topcoats are recommended for Intercrete 4850:

Intercrete 4840

Intercrete 4851

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ADDITIONAL INFORMATION

Further information regarding industry standards, terms and abbreviations used in this data sheet can be found in the following documents available at www.international-pc.com:

- Definitions & Abbreviations
- Surface Preparation
- Intercrete 4850 Application Guidelines

Individual copies of these information sections are available upon request.

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 Material Safety Data Sheet and the container(s), and should not be used without reference to the Material Safety Data Sheet (MSDS) which International Protective Coatings has provided to its customers.

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.

PACK SIZE	Unit Size	Vol	Pack
	25 litre	25 litre	25 litre
For availability of other pack sizes, contact International Protective Coatings.			
SHIPPING WEIGHT (TYPICAL)	Unit Size		
	25 litre	26.69 kg	
STORAGE	Shelf Life	12 months minimum at 25°C (77°F).	

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.

This Technical Data Sheet is available on our website at www.international-marine.com or www.international-pc.com, and should be the same as this document. Should there be any discrepancies between this document and the version of the Technical Data Sheet that appears on the website, then the version on the website will take precedence.

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