

Surface Impregnant

FORMERLY FLEXCRETE MONOSIL

PRODUCT DESCRIPTION

A single component, water-based (VOC free), mixture of silane, siloxane and synthetic resins which imparts maximum water and oil repellency to mineral substrates. It penetrates the surface pores to minimise its effect on the appearance of the substrate and has minimal effect on the water vapour diffusion characteristics.

INTENDED USES

Designed to provide protection from water and oil ingress and enhance freeze/thaw resistance whilst enabling easier removal of oil, grease, paint, graffiti, etc. Used on substrates such as concrete, brick, masonry and stone. As supplied, it is ideally suited to the treatment of car park decks and other trafficked areas and it may be diluted on-site to provide a more cost-effective solution for the treatment of walls.

Suitable for surface protection systems principles 1.1, 2.1, as defined in BS EN 1504-2.

PRACTICAL INFORMATION FOR INTERCRETE 4814

| | | | | |
|------------------------------|---|-----------------|----------------|----------------|
| Colour | Translucent | | | |
| Volume Solids | 8% active solids content | | | |
| Density | 1.02kg/l (8.49lb/gal) | | | |
| Practical Coverage | 6-8m ² /litre per coat 5 litres will cover 15-20m ² as supplied or 30-40m ² when diluted 1:1 with water, when applied in two coats. | | | |
| Method of Application | Roller, Air spray, Brush | | | |
| Shelf Life | 24 months at 20°C (68°F). | | | |
| Pack Size | 5 litre units | | | |
| Drying Time | Overcoating interval with self | | | |
| Temperature | Touch Dry | Hard Dry | <i>Minimum</i> | <i>Maximum</i> |
| 20°C (68°F) ¹ | 1 | 1 | 1 | 1 |

¹ Not applicable

COMPLIANCE AND CERTIFICATION

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

- CE-marked in accordance with BS EN 1504-2.
- Suitable for surface protection systems principles 1.1, 2.1, as defined in BS EN 1504-2.



Protective Coatings

Surface Impregnant

SURFACE PREPARATION

The areas to be treated must be air dry, absorbent and free from existing coatings and all unsound material, i.e. dust, oil, grease, corrosion by-products and organic growth. Use techniques capable of achieving the required degree of preparation, such as wet grit or water blasting or equivalent approved methods.

APPLICATION

Mixing

Intercrete 4814 is supplied as a single component liquid. The bottle should be shaken thoroughly before use.

Airless Spray

Recommended

Brush

Recommended

Roller

Recommended

Work Stoppages / Clean Up

Clean all equipment immediately after use with clean water. It is good working practice to periodically flush out spray equipment during the course of the working day. Frequency of cleaning will depend upon amount sprayed, temperature and elapsed time, including any delays.

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

Surface Impregnant

PRODUCT CHARACTERISTICS **Concrete**

Do not use when the temperature is below 5°C (41°C) and falling. Do not use Intercrete 4814 on waterproof concrete without referring to the Protective Coatings Technical department. Not suitable for use on trafficked areas.

Placing

Intercrete 4814 should be applied by brush, roller or spray in two coats, allowing for the surface porosity and profile of the substrate. Allow to dry for a maximum of 24 hours before applying a second coat. For the treatment of walls, Intercrete 4814 can first be diluted 1:1 by volume with clean water, prior to application. The hydrophobic and oleophobic effects start to develop within 24 hours and are complete within one week to give maximum water and oil repellency.

Treated surfaces should be cleaned as soon as they have become defaced with oil, grease or paint. Clean surfaces may need re-treating to maintain their performance.

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

APPLICATION TIPS

- Shake bottle thoroughly.
- Test the product first on an inconspicuous area to check for any change in surface appearance.

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TECHNICAL DATA / MECHANICAL CHARACTERISTICS

| Standard and Property | BS EN 1504-2 Requirement | Result |
|--------------------------------|--------------------------|---|
| EN 1504-2 Depth of Penetration | >=10mm (Class II) | 15.5mm (as supplied for floors) 13.0mm (diluted 1:1 for walls) |
| EN 13579 Drying Rate | >10% (Class II) | 15.8% (as supplied for floors) 13.8% (diluted 1:1 for walls) |
| EN 13580 Water Absorption | AR<7.5% | 2.37% (as supplied for floors) 4.98% (diluted 1:1 for walls) |
| EN 13580 Resistance to Alkali | AR _{ALK} <10% | 6.15% (as supplied for floors) 7.85% (diluted 1:1 for walls) |
| pH | | 6 (approximately) |

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.

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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