

## Solvent Free Epoxy Flooring

**PRODUCT DESCRIPTION** A two component, solvent free, heavy duty epoxy floor coating. It is a self smoothing, easy to apply product, leaving a seamless surface. It has excellent chemical, abrasion and impact resistance.

**INTENDED USES** Designed for a wide range of floors with various levels of mechanical and chemical exposure, for example warehouses, garages, dairies, factories, laboratories, aircraft hangers, food, beverage and plant rooms.

**PRACTICAL INFORMATION FOR INTERBUILD 1071**

|                              |   |
|------------------------------|---|
| <b>Colour</b>                | Cream, White  |
| <b>Gloss Level</b>           | Not applicable  |
| <b>Volume Solids</b>         | 100%  |
| <b>Typical Thickness</b>     | 300-600 microns (12-24 mils) dry equivalent to<br>300-600 microns (12-24 mils) wet  |
| <b>Theoretical Coverage</b>  | 2.50 m <sup>2</sup> /litre at 400 microns d.f.t and stated volume solids<br>100 sq.ft/US gallon at 16 mils d.f.t and stated volume solids |
| <b>Practical Coverage</b>    | Allow appropriate loss factors  |
| <b>Method of Application</b> | Airless Spray,Brush,Roller  |
| <b>Drying Time</b>           |   |

| Temperature  | Touch Dry | Hard Dry | Overcoating Interval with recommended topcoats |          |
|--------------|-----------|----------|--|----------|
|              |           |          | Minimum  | Maximum  |
| 10°C (50°F)  | 15 hours  | 36 hours | 36 hours                                       | 2 days   |
| 15°C (59°F)  | 12 hours  | 24 hours | 24 hours                                       | 2 days   |
| 25°C (77°F)  | 8 hours   | 18 hours | 18 hours                                       | 1 day    |
| 40°C (104°F) | 5 hours   | 7 hours  | 7 hours  | 12 hours |

**REGULATORY DATA**

|                              |   |   |  |
|------------------------------|---|---|--|
| <b>Flash Point (Typical)</b> | Part A >101°C (>214°F); Part B >101°C (>214°F); Mixed >101°C (>214°F) |   |  |
| <b>Product Weight</b>        | 1.52 kg/l (12.7 lb/gal)   |   |  |
| <b>VOC</b>                   | 1.04 lb/gal (125 g/lit)   | EPA Method 24   |  |
|                              | 23 g/kg   | EU Solvent Emissions Directive (Council Directive 2010/75/EU) |  |

See Product Characteristics section for further details

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### SURFACE PREPARATION

#### Concrete and Masonry

Concrete should have a minimum strength of 20MPa. All surfaces should be clean and free from laitance, curing compounds, release agents, efflorescence, grease, oil, dirt, organic growth, old coatings and loose or disintegrating concrete. Smooth surfaces should be roughened, using high pressure water jetting or similar techniques.

Laitance deposits are best removed by planetary diamond disc grinder or by captive blasting followed by vacuum cleaning to remove dust debris. For old concrete, a site visit by the local AkzoNobel technical representative should be undertaken to assess the condition and provide an appropriate surface preparation method.

### APPLICATION

|                         |   |  |
|-------------------------|---|--|
| <b>Mixing</b>           | Material is supplied in two containers as a unit. Always mix a complete unit in the proportions supplied. Once the unit has been mixed it must be used within the working pot life specified.   |  |
|                         | <ul style="list-style-type: none"> <li>(1) Agitate Base (Part A) with a power agitator.</li> <li>(2) Agitate Curing Agent (Part B) with a power agitator.</li> <li>(3) Combine entire contents of Curing Agent (Part B) with Base (Part A) and mix thoroughly with power agitator.</li> </ul> |  |
| <b>Mix Ratio</b>        | 3 part(s) : 1 part(s) by volume   |  |
| <b>Working Pot Life</b> | 25°C (77°F)<br>60 minutes   |  |
| <b>Airless Spray</b>    | Recommended   | Tip Range 0.53-0.66 mm (21-26 thou)<br>Total output fluid pressure at spray tip not less than 211 kg/cm <sup>2</sup> (3000 p.s.i.) |
| <b>Brush</b>            | Recommended   | Use a stiff nylon brush.   |
| <b>Roller</b>           | Recommended   | Use a short nap roller.  |
| <b>Thinner</b>          | DO NOT THIN   |  |
| <b>Work Stoppages</b>   | Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with International GTA853. Once units of paint have been mixed they should not be resealed and it is advised that after prolonged stoppages work recommences with freshly mixed units.       |  |
| <b>Clean Up</b>         | Clean all equipment immediately after use with International GTA853. 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.   |  |

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### PRODUCT CHARACTERISTICS

The detailed Interbuild 1071 Application Guidelines should be consulted prior to use.

The exact specification with regards to dry film thickness and number of coats will be provided by International Protective Coatings prior to application start up.

Where multi-coat systems are to be used, optimum intercoat adhesion is best achieved by keeping the overcoating interval as short as possible.

Maximum chemical resistance is not attained until the film has completely cured. Cure is a function of temperature, humidity and film thickness. Normally films at 300 microns (12 mils) dry film thickness will exhibit full and complete cure for optimal chemical resistance in 7-10 days at 25°C (77°F). Curing times are proportionately shorter at elevated temperatures and longer at lower temperatures.

Due to the presence of low molecular weight chemicals in the formulation, some VOC may be recorded when this product is tested in accordance with the USA-EPA Method 24 protocols. This is due to the high temperatures used in the test procedures.

In common with all epoxies Interbuild 1071 will chalk and discolour on exterior exposure. However, these phenomenon are not detrimental to chemical resistance performance.

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.

Low molecular weight reactive additives, which will form part of the film during normal ambient cure conditions, will also affect VOC values determined using EPA Method 24.

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### SYSTEMS COMPATIBILITY

Interbuild 1071 will normally be applied to correctly prepared concrete substrates. However, it can be used over suitably primed surfaces. Suitable primers are:

- Interbuild 1004

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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](http://www.international-pc.com):

- Definitions & Abbreviations
- Surface Preparation
- Paint Application
- Theoretical & Practical Coverage

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 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.

In the event welding or flame cutting is performed on metal coated with this product, dust and fumes will be emitted which will require the use of appropriate personal protective equipment and adequate local exhaust ventilation.

If in doubt regarding the suitability of use of this product, consult AkzoNobel for further advice.

| PACK SIZE | Unit Size | Part A   |          | Part B  |         |
|-----------|-----------|----------|----------|---------|---------|
|           |           | Vol      | Pack     | Vol     | Pack    |
|           | 20 litre  | 15 litre | 20 litre | 5 litre | 5 litre |

For availability of other pack sizes, contact AkzoNobel.

| SHIPPING WEIGHT (TYPICAL) | Unit Size | Part A  | Part B |
|---------------------------|-----------|---------|--------|
|                           | 20 litre  | 24.3 kg | 8.7 kg |

| STORAGE | Shelf Life | 18 months at 25°C. Subject to re-inspection thereafter. Store in dry, shaded conditions away from sources of heat and ignition. |
|---------|------------|---|
|         |            |   |

### 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](http://www.international-marine.com) or [www.international-pc.com](http://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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