

## Epoxy

### PRODUCT DESCRIPTION

A two-component epoxy filler and surfacer for interior and exterior concrete and masonry.

### INTENDED USES

Used for filling concrete and masonry surfaces. An excellent filler for imperfections in poured concrete. May be used as a filler for bug holes and voids in poured concrete to be topcoated.

### PRACTICAL INFORMATION FOR DEVFIL 145

<b>Colour</b>	Clear			
<b>Gloss Level</b>	Semi-gloss			
<b>Volume Solids</b>	100%			
<b>Typical Thickness</b>	400-550 microns (16-22 mils) dry equivalent to 400-550 microns (16-22 mils) wet			
<b>Theoretical Coverage</b>	2 m <sup>2</sup> /litre at 500 microns d.f.t and stated volume solids 80 sq.ft/US gallon at 20 mils d.f.t and stated volume solids			
<b>Practical Coverage</b>	Allow appropriate loss factors			
<b>Method of Application</b>	Roller, Trowel, Brush, Squeegee			
<b>Drying Time</b>				
			Overcoating Interval with recommended topcoats	
<b>Temperature</b>	<b>Touch Dry</b>	<b>Hard Dry</b>	<i>Minimum</i>	<i>Maximum</i>
25°C (77°F)	*	*	7 hours	3 days
* not applicable				

### REGULATORY DATA

<b>Flash Point (Typical)</b>	Part A 93°C (199°F); Part B 93°C (199°F); Mixed 93°C (199°F)
<b>Product Weight</b>	1.02 kg/l (8.5 lb/gal)
<b>VOC</b>	0.68 lb/gal (82 g/l) EPA Method 24

See Product Characteristics section for further details

## Epoxy

### SURFACE PREPARATION

All surfaces should be clean, dry and free from curing compounds, release agents, trowelling compounds, surface hardeners, efflorescence, grease, oil, dirt, old coatings and loose or disintegrating concrete.

#### Concrete and Masonry

##### New Surfaces:

High pressure washing or mechanical scrubbing with an industrial cleaner, such as Devprep 88 cleaner, is recommended for all surfaces. Sweep blast or acid etch smooth or poured concrete to remove laitance. Follow acid manufacturer's application and safety instructions. Rinse thoroughly and allow to dry. Remove loose aggregate. Prime with Devfil 145.

##### Previously Painted Surfaces

Devfil 145 is not suitable for application over primers, intermediates or aged coatings.

### 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>	1 part(s) : 1 part(s) by volume	
<b>Working Pot Life</b>	25°C (77°F) 1 hour	
<b>Brush</b>	Recommended	
<b>Roller</b>	Recommended	
<b>Trowel</b>	Recommended	
<b>Thinner</b>	DO NOT THIN	
<b>Cleaner</b>	T-10 Thinner	In the SCAQMD region, use T-0 Thinner or other solvent in compliance with local VOC and air quality regulations.
<b>Work Stoppages</b>	Do not allow material to remain on equipment. 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. 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 material and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.	

## Epoxy

### PRODUCT CHARACTERISTICS

#### Advantages:

- Suitable for immersion in water or waste water applications
- Low odour
- High solids
- Excellent recoatability
- Interior or exterior use

Devfil 145 is not suitable for solvent or chemical immersion.

Preferred application is by brush, roller, trowel or squeegee. Optimum application properties and working life of the coating are obtained when the mixed components are at 25°C (77°F). At extreme temperatures efforts should be made to maintain mixed material at 25°C (77°F). At temperatures above 25°C (77°F) pot life will be dramatically shortened.

Devfil 145 is specially formulated to fill bug holes and other large areas over 1/4 inch in diameter. A small trowel or wide blade knife is recommended to force Devfil 145 into holes and depressions. For a smooth surface, wet a small brush or trowel with T-5 Thinner or xylene. Use only products that are in compliance with local VOC regulations.

Apply Devfil 145 to the substrate by roller or trowel. Using a wide bladed squeegee or trowel, wipe across the surface, forcing the product into holes and depressions and leaving a small amount of product on the surface. For a smooth surface, wet a small brush or trowel with T-5 Thinner or xylene.

Accepts a variety of topcoats depending on ultimate service conditions.

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

---

The following topcoats are recommended:

Bar-Rust 231	Bar-Rust 231LV
Bar-Rust 233H	Bar-Rust 233H LV
Bar-Rust 235	Bar-Rust 236
Devmat 101	Devran 201H
Devran 224HS	Devran 261QC
Devran Devran 220	Devtar 247
Devtar 5A	Devtar 5A-HS
Tru-Glaze-WB 4406	Tru-Glaze-WB 4408
Tru-Glaze-WB 4426	Tru-Glaze-WB 4428

## Epoxy

### 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 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.

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 International Protective Coatings for further advice.

PACK SIZE	Unit Size	Part A		Part B	
		Vol	Pack	Vol	Pack
	1 US gal	1 US gal	1 US gal	1 US gal	1 US gal
	5 US gal	5 US gal	5 US gal	5 US gal	5 US gal
For availability of other pack sizes, contact International Protective Coatings.					
SHIPPING WEIGHT (TYPICAL)	Unit Size	Part A		Part B	
	1 US gal	12.3 lb		11.5 lb	
	5 US gal	52.7 lb		47.6 lb	
STORAGE	Shelf Life	24 months minimum at 25°C (77°F). 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.*

Copyright © AkzoNobel, 05/02/2015.

All trademarks mentioned in this publication are owned by, or licensed to, the AkzoNobel group of companies.

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