

**PRODUCT DESCRIPTION**

A low VOC, high performance, two component, isocyanate free crosslinking acrylic finish which provides good durability in terms of colour and gloss retention.

**INTENDED USES**

Devran 229V Acrylic Epoxy Coating is a superior finish coating for tank farms and other industrial facilities, as well as areas subject to chemical spills and fumes. Devran 229V coating is not resistant to strong solvents, it is excellent for hard to maintain areas. Devran 229V coating will hold it's appearance and tough film properties for extended time periods.

Suitable for both site and factory application situations and is ideal where legislation prevents the use of isocyanates and restricts solvent levels.

**PRACTICAL INFORMATION FOR DEVRAN 229V**

<b>Colour</b>	White and custom colours																												
<b>Gloss Level</b>	High Gloss																												
<b>Volume Solids</b>	65% ± 3%																												
<b>Typical Thickness</b>	50 microns (2 mils) dry equivalent to 77 microns (3.1 mils) wet																												
<b>Theoretical Coverage</b>	13 m <sup>2</sup> /litre at 50 microns d.f.t and stated volume solids 521 sq.ft/US gallon at 2 mils d.f.t and stated volume solids																												
<b>Practical Coverage</b>	Allow appropriate loss factors																												
<b>Method of Application</b>	Airless Spray, Airspray, Brush, Roller																												
<b>Drying Time</b>	<div>Overcoating Interval with recommended topcoats</div> <table> <tr> <th>Temperature</th><th>Touch Dry</th><th>Hard Dry</th><th>Minimum</th><th>Maximum</th></tr> <tr> <td>5°C (41°F)</td><td>2 hours</td><td>30 hours</td><td>30 hours</td><td>Extended<sup>1</sup></td></tr> <tr> <td>15°C (59°F)</td><td>90 minutes</td><td>24 hours</td><td>24 hours</td><td>Extended<sup>1</sup></td></tr> <tr> <td>25°C (77°F)</td><td>60 minutes</td><td>18 hours</td><td>18 hours</td><td>Extended<sup>1</sup></td></tr> <tr> <td>40°C (104°F)</td><td>45 minutes</td><td>6 hours</td><td>6 hours</td><td>Extended<sup>1</sup></td></tr> </table>				Temperature	Touch Dry	Hard Dry	Minimum	Maximum	5°C (41°F)	2 hours	30 hours	30 hours	Extended <sup>1</sup>	15°C (59°F)	90 minutes	24 hours	24 hours	Extended <sup>1</sup>	25°C (77°F)	60 minutes	18 hours	18 hours	Extended <sup>1</sup>	40°C (104°F)	45 minutes	6 hours	6 hours	Extended <sup>1</sup>
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<sup>1</sup> See International Protective Coatings Definitions and Abbreviations

**REGULATORY DATA**

<b>Flash Point (Typical)</b>	Part A 32°C (90°F); Part B 40°C (104°F); Mixed 40°C (104°F)		
<b>Product Weight</b>	1.55 kg/l (12.9 lb/gal)		
<b>VOC</b>	2.80 lb/gal (336 g/l)	EPA Method 24	

See Product Characteristics section for further details

## SURFACE PREPARATION

All surfaces must be sound, dry, clean and free of oil, grease, dirt, mildew, form release agents, curing compounds, efflorescence, loose and flaking paint and other foreign substances.

### New Surfaces:

Steel must be properly primed with a compatible primer such as Devran 201H, Devran 203 epoxy primer or Cathacoat 302H primer. The use of thick film intermediate coats like Devran 224HS coating, Bar-Rust 235 or Bar-Rust 231 coating is optional, depending on the area to be coated.

### Previously Painted Surfaces

Use Devprep 88 or other suitable cleaner followed by a thorough water rinsing before applying Devran 229V coating over old, painted surfaces. Test patches should be made to determine compatibility.

## APPLICATION

Mixing	Devran 229V coating is a two component product supplied in 5 Gallon or 1 Gallon kits which contain the proper ratio of ingredients. The entire contents of each container must be mixed together. Mix the base portion slowly for several minutes. After mixing the base portion, add the converter slowly with continued agitation. After the converter addition is complete, continue to mix slowly until homogeneous. Avoid storing or placing containers in direct sunlight.			
Mix Ratio	7 part(s) : 1 part(s) by volume			
Working Pot Life	10°C (50°F)	15°C (59°F)	25°C (77°F)	40°C (104°F)
	10 hours	5 hours	2 hours	1 hour
Airless Spray	Recommended	Tip Range 0.38-0.42 mm (15-17 thou) Total output fluid pressure at spray tip not less than 155 kg/cm <sup>2</sup> (2204 p.s.i.)		
Air Spray (Pressure Pot)	Recommended			
Brush	Suitable	Typically 50-76 microns (2.0-3.0 mils) can be achieved		
Roller	Suitable	Typically 50-76 microns (2.0-3.0 mils) can be achieved		
Thinner	T-10 Thinner			
Cleaner	T-10 Thinner			
Work Stoppages	Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with T-10 Thinner. 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.			
Clean Up	Clean all equipment immediately after use with T-10 Thinner. 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.			

**PRODUCT  
CHARACTERISTICS****Advantages:**

- Can be applied over a wide range of primers, intermediate coats and even old finish coats
- Corrosion resistant
- Interior or exterior usage
- Easy application

Devran 229V is not suitable for immersion.

Tinting: Tint the appropriate base with Industrial colourants. (Do not use water based or other colourants). Add colourants to only the base portion. Mix thoroughly before adding the converter portion.

Thinning: Thinning is not normally required or desired. However, at lower temperatures, small amounts (5% or less) of T-10 or T-0 Thinner can be added depending on local VOC and air quality regulations. Any solvent addition should be made after the two components are thoroughly mixed.

Do not apply if relative humidity exceeds 85% or temperature is within 3°C (5°F) of the dew point.

Limitations of Use: Colour may change as the temperature approaches 110°C (230°F) limit, however the film will remain intact.

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**

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The following primers are recommended for Devran 229V:

Bar-Rust 231	Devran 203
Bar-Rust 235	Devran 201H
Cathacoat 302H	Tru-Glaze-WB 4030

**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	0.87 US gal	1 US gal	1 US pint	1 US pint
	5 US gal	4.36 US gal	5 US gal	0.63 US gal	1 US gal
For availability of other pack sizes, contact International Protective Coatings.					
SHIPPING WEIGHT (TYPICAL)	Unit Size	Part A		Part B	
	1 US gal	11.2 lb		1.3 lb	
	5 US gal	62.2 lb		6.4 lb	
STORAGE	Shelf Life	18 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 International Paint 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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