

Water-borne Acrylic

PRODUCT DESCRIPTION A premium quality, low VOC, direct to metal acrylic semi-gloss enamel for high traffic interior - exterior areas of commercial, institutional and industrial structures.

INTENDED USES May be applied directly to interior or exterior steel and aluminum and to properly primed galvanized metal, wood or masonry surfaces.

PRACTICAL INFORMATION FOR DEVCRYL 1448

Color White, safety colors and custom colors

Gloss Level Semi-gloss

Volume Solids 38% ± 2%

Typical Thickness 1.5-4 mils (38-100 microns) dry equivalent to 4-10.5 mils (100-263 microns) wet

Theoretical Coverage 221 sq.ft/US gallon at 2.8 mils d.f.t and stated volume solids
5.50 m²/liter at 69 microns d.f.t and stated volume solids

Practical Coverage Allow appropriate loss factors

Method of Application Airless Spray, Roller, Air Spray, Brush, Conventional Spray

Drying Time

Temperature	Touch Dry	Hard Dry	Overcoating Interval with recommended topcoats	
			Minimum	Maximum
50°F (10°C)	*1	36 hours	36 hours	Extended
59°F (15°C)	*1	30 hours	30 hours	Extended
77°F (25°C)	*1	4 hours	4 hours	Extended

*1 Not applicable

REGULATORY DATA

Flash Point (Typical) >101°C (>214°F)

Product Weight 10.3 lb/gal (1.24 kg/l)

VOC 98 g/lit (0.81 lbs/gal) Calculated

See Product Characteristics section for further details

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SURFACE PREPARATION

All surfaces should be clean, dry and free from contaminants including, but not limited to curing compounds, release agents, trowelling compounds, surface hardeners, efflorescence, grease, oil, dirt, old coatings and loose or disintegrating concrete. All poured and precast concrete must also be sweep blasted.

New Surfaces:

Steel and Aluminium

Best results are obtained over a surface abrasive blasted to commercial blast cleanliness (SSPC-SP6) or ISO 8501-1:2007 Sa2½. Performance over hand or power tool cleaned surfaces is dependent on the degree of cleaning. When using colours tinted with more than 2 oz /gal. of suitable colourants, a primer is recommended. When using as a DTM finish without a primer, a minimum of two coats is recommended for best corrosion resistance.

Galvanized Metal:

Ensure that surfaces are clean, dry and free of contamination or white zinc salts. This may require scrubbing with fresh water.

Concrete, Plaster and Masonry:

Cure for at least 30 days before painting. pH must be 10.0 or lower. Roughen slick poured or pre-cast concrete and remove sealers by chemical cleaning or abrasive blasting. Rinse thoroughly with water and allow to dry. Remove loose aggregate.

APPLICATION

Mixing	This material is a one component coating and should always be mixed thoroughly with a power agitator before application.
Airless Spray	Recommended
Air Spray (Conventional)	Suitable
Brush	Suitable
Roller	Suitable
Thinner	Do not thin
Cleaner	Clean immediately after use with warm, soapy water.
Work Stoppages	Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with clean water. Partially filled containers may show surface skinning and/or a viscosity increase of the material after storage.
Clean Up	Clean all equipment immediately after use with warm soapy 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 material and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.

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PRODUCT CHARACTERISTICS

Advantages:

- Alkyd-like hardness and durability
- Excellent color retention
- High opacity
- Non-yellowing
- All purpose finish for multiple surfaces
- Excellent resistance to grease, oil and water
- Excellent flow and leveling
- Resists peeling and chipping
- Low odor and water clean-up
- Washable and scrubbable
- Good abrasion resistance
- Easy application by brush, roll or spray
- Low VOC, < 100 g/l

Not recommended for large areas of exterior wood such as wood siding.

Meets OTC (Industrial Maintenance) Regulations
Meets SCAQMD (Industrial Maintenance) Regulations
Meets CARB (Industrial Maintenance) Regulations
Suitable for use in USDA-inspected facilities.

Tinting: Tint with waterborne colorants.

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 color and normal manufacturing tolerances.

SYSTEMS COMPATIBILITY

Devcryl 1448 is normally applied directly to blast cleaned steel; however, it can be applied over the following primers when required:

Cathacoat 302H	Devprime 1409
Devcryl 1440	Devran 201H
Devprime 1401	Devran 203
Devprime 1403	Devran 223
Devprime 1405	Tru-Glaze-WB 4015
Devprime 1407	

For other suitable primers consult International Protective Coatings.

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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
- 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	Vol	Pack
	1 US gal	1 US gal	1 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		
	1 US gal		11 lb
	5 US gal		54 lb
STORAGE	Shelf Life	12 months minimum at 77°F (25°C). Subject to re-inspection thereafter. Store in dry, shaded conditions away from sources of heat and ignition.	

Disclaimer

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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