

Devprime® 1409



Alkyd

PRODUCT DESCRIPTION

A high solids, rust-inhibitive, interior-exterior alkyd primer for use on ferrous and non-ferrous metal including galvanized metal and aluminum.

INTENDED USES

Ideal for structural steel, tank exteriors, piping and equipment. Excellent for use as a barrier coat when applied over sound aged oil or alkyd finishes which are to be topcoated with heavy-duty coatings. This product has exceptional resistance to exterior weathering, making it suitable for use as a shop primer.

May be topcoated on ferrous metal with epoxy and urethane coatings as well as conventional alkyd and latex products.

PRACTICAL INFORMATION FOR DEVPRIME 1409

Color	White, Grey
Gloss Level	Matte
Volume Solids	62% ± 2%
Typical Thickness	2-2.5 mils (50-63 microns) dry equivalent to 3.2-4.1 mils (81-102 microns) wet
Theoretical Coverage	436 sq.ft/US gallon at 2.3 mils d.f.t and stated volume solids 10.90 m ² /liter at 57 microns d.f.t and stated volume solids
Practical Coverage	Allow appropriate loss factors
Method of Application	Airless Spray, Roller, Air Spray, Brush

Drying Time

Temperature	Touch Dry	Hard Dry	Overcoating Interval with recommended topcoats	
			Minimum	Maximum
77°F (25°C)	15 minutes	60 minutes	2 hours ²	Extended ¹

¹ See International Protective Coatings Definitions & Abbreviations

² When overcoating with epoxy, urethane or waterborne finish coats, allow 48-72 hours drying time at 77°F (25°C).

REGULATORY DATA Flash Point (Typical) 57°F (14°C)

Product Weight 12.7 lb/gal (1.52 kg/l)

VOC 2.81 lb/gal (337 g/lit) EPA Method 24

See Product Characteristics section for further details

Protective Coatings

Alkyd

SURFACE PREPARATION

All surfaces to be coated should be clean, dry and free from contamination. Prior to application, all surfaces should be assessed and treated in accordance with ISO 8504:2000.

New Surfaces:

Steel

Best results are obtained over a surface abrasive blasted to commercial blast cleanliness (SSPC-SP6) or ISO 8501-1:2007 Sa2. Performance over hand or power tool cleaned surfaces is dependent on the degree of cleaning.

Galvanized Steel

Degrease to SSPC-SP1 and remove any white zinc corrosion products by hand abrasion cleaning. Self prime with Devprime 1409.

Previously Painted Surfaces:

Wash to remove contaminants. Rinse thoroughly with water and allow to dry. Sanding is not required if the surface is properly and thoroughly cleaned (scuff sanding is required only on glossy, hard, slick or dense surfaces which are subject to high levels of moisture). Remove loose paint. Scrub heavy chalk exterior areas and overhead areas such as eaves with soap and water. All existing mildew must be removed by washing with a solution of 16 oz. (473 ml) liquid household bleach and two oz. (59 ml) non-ammoniated liquid detergent per gallon (3.785 L) of water. Rinse surfaces clean with water and allow to dry for 24 hours. Prime bare areas with Devprime 1409.

For optimum performance in more corrosive areas, entire surface should be abrasive blast cleaned and primed with Devprime 1409.

APPLICATION

Mixing	This material is a one component coating and should always be mixed thoroughly with a power agitator before application.	
Airless Spray	Recommended	Use a 17 thou (0.43mm) tip size and adjust pressure as needed.
Brush	Recommended	Small areas only
Roller	Recommended	Small areas only
Thinner	Do not thin	
Cleaner	T-5 Thinner	
Work Stoppages	Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with T-5 Thinner. 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 T-5 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.	

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PRODUCT

CHARACTERISTICS

Advantages:

- May be used on both ferrous and galvanized metal
- Excellent corrosion resistance
- Fast drying
- May be topcoated with heavy-duty coatings
- Lead and chromate free
- High solids
- Performance alternate for Federal Specifications TT-P-615D, TT-P-636D, and TT-P-645B

Devprime 1409 is not suitable for immersion.

Tinting: May be tinted with up to 2 oz./gal. of industrial colorants.

Over-application will result in solvent retention and prolonged periods will be required before the film achieves maximum hardness.

Do not apply if temperature is less than 50°F (10°C), relative humidity exceeds 85% or temperature is within 5°F (3°C) of dew point.

Devprime 1409 is not recommended on metal where pooling water is likely, such as roofs, etc. Avoid strong solvent topcoats such as epoxies and urethanes when used over galvanized metal.

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

The following topcoats are recommended for Devprime 1409:

Bar-Rust 231	Devthane 359
Devcryl 1440	Devthane 359H
Devcryl 1448	Devthane 378
Devcryl 1449	Devthane 379
Devlac 1431	Devthane 389
Devlac 1432	Tru-Glaze 4508H
Devlac 1433	Tru-Glaze-WB 4426
Devlac 1437	Tru-Glaze-WB 4428
Devran 224HS	Tru-Glaze-WB 4438

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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		13 lb
	5 US gal		64 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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