

PRODUCT DESCRIPTION

A premium quality alkyd gloss enamel for use on machinery, equipment, piping and tank exteriors.

INTENDED USES

Toughness and fast dry provide maintenance with minimum plant interruption.

Ideal for safety equipment and pipe identification. Provides excellent protection to metal surfaces as well as masonry, wood and wallboard. Also used as a trim enamel.

Performance alternate for Federal Specifications TT-E-489H, TT-P-61E, TT-E-506K, and TT-E-505A.

PRACTICAL INFORMATION FOR DEVGUARD 4308

Color	White, custom and ready-mix colors
Gloss Level	Gloss
Volume Solids	45%
Typical Thickness	2-2.5 mils (50-63 microns) dry equivalent to 4.4-5.6 mils (111-140 microns) wet
Theoretical Coverage	317 sq.ft/US gallon at 2.3 mils d.f.t and stated volume solids 7.90 m ² /liter at 57 microns d.f.t and stated volume solids
Practical Coverage	Allow appropriate loss factors
Method of Application	Airless spray, Air spray, Brush, Roller

Drying Time

Temperature	Touch Dry	Hard Dry	Overcoating Interval with recommended topcoats	
			Minimum	Maximum
77°F (25°C)	1 hour	6 hours	16 hours	Extended ¹

¹ See International Protective Coatings Definitions & Abbreviations

REGULATORY DATA

Flash Point	106°F (41°C)
Product Weight	9.3 lb/gal (1.12 kg/l)
VOC	3.57 lb/gal (428 g/lit) EPA Method 24
See Product Characteristics section for further details	

SURFACE PREPARATION

Surfaces must be dry, clean, free of oil, grease, form release agents, curing compounds, laitance, other foreign matter and be structurally sound. Remove all loose paint, mortar spatter, mill scale, and rust.

New Surfaces:

Steel - Apply over surface suitably prepared and primed with Devguard 4160 or Devguard 4360 primers.

Galvanized Metal and Aluminum:

Ensure that the surface is thoroughly clean and dry and free of any white zinc salts. Prime with Devguard 4160 or Devguard 4360 primers.

Wood:

Interior - Prime with Glidden Professional 1120.

Exterior - Spot prime knots with Glidden Professional House 2000 primer. Prime entire surface with Glidden Professional Stain Stomper 2110.

Drywall:

Prime with Glidden Professional Gripper 3210 primer sealer

Concrete, Plaster and Masonry:

Cure 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. Prime interior concrete or plaster with this product or with Glidden Professional Gripper 3210 primer sealer. Prime exterior masonry with Glidden Professional 6001 primer. Fill concrete block with Bloxfil 4000 or Glidden Professional 3010 fillers.

Previously Painted Surfaces:

Wash to remove contaminants. Rinse thoroughly with water and allow to dry. Dull glossy areas by light sanding. Remove sanding dust. 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 primer specified under New Surfaces. Prime severely weathered exterior surfaces with Glidden Professional Stain Stomper 2110. Surfaces in good condition generally may be done with one coat.

APPLICATION

Mixing	This material is a one component coating and should always be mixed thoroughly with a power agitator before application.	
Airless Spray	Suitable	Use a 13 thou (0.33mm) tip size and adjust pressure as needed.
Brush	Recommended	
Roller	Recommended	
Thinner	Do not thin	
Cleaner	Mineral Spirits or VM&P Naphtha	
Work Stoppages	Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with mineral spirits or VM&P Naphtha. 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 mineral spirits or VM&P Naphtha. 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.	

PRODUCT CHARACTERISTICS

Advantages:

- Durable high gloss finish
- Interior or exterior usage
- Protects against atmospheric corrosion
- Excellent flow and leveling
- High hiding
- Washable and scrubbable
- Good abrasion resistance
- Easy application by brush, roll or spray
- Excellent resistance to grease, oil and water

For best opacity, tint primers toward finish coat color. Certain shades of yellow, orange, pink and red may require multiple coats.

Important: Alkyd or oil-based enamels may yellow in time in the absence of light, especially sunlight.

Do not apply if temperature is less than 40°F (4°C), relative humidity exceeds 85% or temperature is within 5°F (3°C) of the dew point.

Surfaces coated with this product may become slippery when wet. For additional slip resistance in areas of pedestrian traffic, add one pound per gallon of coarse pumice or other texturing material.

When applying Devguard 4308 by brush or roller, it may be necessary to apply multiple coats to achieve the required film build and uniform opacity.

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 primers are recommended for Devguard 4308:

Devguard 4160
Devguard 4180
Devguard 4360
Rustguard 4140

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	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 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 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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