

PRODUCT DESCRIPTION

A premium quality, direct to metal acrylic eggshell enamel which features a non-yellowing film with excellent durability.

INTENDED USES

For high traffic interior-exterior areas of commercial, institutional, residential and industrial structures.

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

PRACTICAL INFORMATION FOR DEVFLEX 4212HP

Color	White, Black and custom colors
Gloss Level	Eggshell
Volume Solids	36% ± 2%
Typical Thickness	1.5-4 mils (38-100 microns) dry equivalent to 4.2-11.1 mils (106-278 microns) wet
Theoretical Coverage	209 sq.ft/US gallon at 2.8 mils d.f.t and stated volume solids 5.20 m ² /liter at 69 microns d.f.t and stated volume solids
Practical Coverage	Allow appropriate loss factors
Method of Application	Airless Spray, Brush, Roller

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	24 hours	4 hours	Extended

*1 * not applicable

REGULATORY DATA

Flash Point	>214°F (101°C)
Product Weight	10.8 lb/gal (1.3 kg/l)
VOC	98 g/lt (0.81 lb/US gal) calculated

See Product Characteristics section.

SURFACE PREPARATION

All surfaces must be sound, dry, clean and free of oil, grease, wax, polish, mildew, form release agents, curing compounds, efflorescence, loose and flaking paint and other foreign substances. Scuff sanding is required on glossy, hard, slick or dense surfaces in exterior areas or other areas which are subject to high levels of moisture.

New Surfaces:

Steel and Aluminum

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. Prime with Devflex 4212HP or Devflex 4020PF primer. For maximum corrosion protection, prime with Devguard 4160 or Devguard 4360 primers, depending on local VOC regulations. When using colors tinted with more than 2 oz /gal. of suitable colorants, 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. Prime with Devran 205 or Devran 203 epoxy primers, Devflex 4020PF acrylic primer or Devguard 4160 or Devguard 4360 alkyd primers depending on local VOC regulations.

Interior Wood:

Set nails and fill holes with latex spackle. Sand smooth. Dust clean. Self-prime or prime with Glidden Professional Wall & Woodwork 1020 primer sealer. Do not use this product with lacquer undercoats.

Exterior Wood:

Spot prime pine knots with Glidden Professional 6001 primer. Prime entire surface with Glidden Professional 6001 primer.

Drywall:

Prime with Glidden Professional Hi-Hide Wall 1000 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. 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 porous flat interior surfaces with Glidden Professional Gripper 3210 primer or for exterior surfaces prime with Glidden Professional 6001 primer. Can be used self-primed over previously painted surfaces followed by a finish coat of this product.

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 15 thou (0.38mm) tip size and adjust pressure as needed.
Brush	Suitable	Multiple coats may be required to achieve specified film thickness.
Roller	Suitable	Multiple coats may be required to achieve specified film thickness.
Thinner	Do not thin	
Cleaner	Warm soapy water	
Work Stoppages	Do not allow material to remain in hoses, guns or spray equipment. Thoroughly flush all equipment with clean water.	
Clean Up	Thoroughly flush all equipment with clean water . All unused material should be stored in tightly closed containers. Partially filled containers may show surface skinning after storage.	

PRODUCT CHARACTERISTICS

Advantages:

- Alkyd-like hardness and durability
- Excellent color retention
- High hiding
- 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
- May be applied direct to steel and aluminum

Meets OTC (Industrial Maintenance) Regulations
Meets SCAQMD (Industrial Maintenance) Regulations
Meets CARB (Industrial Maintenance) Regulations
LEED (New Construction) Compliant
LEED (New Schools / CHPS) Compliant
MPI Category 151 (Gloss Level 3)
Suitable for use in USDA-inspected facilities.

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

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.

For brush and roller application, two coats of Devflex 4212HP may be required to give uniform coverage

Due to fast dry, brushing should be limited to small areas where a wet edge can be maintained.

If touch-up is required after the enamel has set, wait until it has thoroughly dried.

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 Devflex 4212HP:

Cathacoat 302H	Devflex 4020PF
Devguard 4160	Devguard 4180
Devguard 4360	Devran 201H
Devran 203	Devran 205
Devran 223	Devshield 4130
Rustguard 4140	Tru-Glaze-WB 4015
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:

- 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
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.

Copyright © AkzoNobel, 11/11/2010.

 **International** Copyright © AkzoNobel, 11/11/2010.