

PRODUCT DESCRIPTION

An advanced technology, premium quality, waterborne acrylic gloss enamel for interior or exterior use on properly prepared wood, metal, or masonry surfaces.

INTENDED USES

This all purpose, non-yellowing finish is ideal for use on walls, equipment, machinery, piping, structural steel, storage tanks, wood or metal trim, shutters, building exteriors, pre-finished siding, furniture and metal fences.

Bonds to clean glossy, hard surfaces such as aged oil base or alkyd enamels. Features alkyd-like hardness and durability, exceptional adhesion, superior flow and leveling, fast dry, easy application, excellent gloss and color retention, low odor and high hiding. Low VOC.

Performance alternate for Federal Specification TT-E-2784

PRACTICAL INFORMATION FOR DEVFLEX 4208QD

Color	White and custom colors
Gloss Level	Gloss
Volume Solids	42%
Typical Thickness	1.5-2 mils (38-50 microns) dry equivalent to 3.6-4.8 mils (90-119 microns) wet
Theoretical Coverage	383 sq.ft/US gallon at 1.8 mils d.f.t and stated volume solids 9.50 m ² /liter at 44 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)	*	30 hours	6 hours	Extended ¹
59°F (15°C)	*	24 hours	4 hours	Extended ¹
77°F (25°C)	*	16 hours	2 hours	Extended ¹

¹ See International Protective Coatings Definitions & Abbreviations

* not applicable

REGULATORY DATA

Flash Point	214°F (101°C)
Product Weight	10.3 lb/gal (1.24 kg/l)
VOC	98 g/lt (0.81 lb/US gal) calculated

See Product Characteristics section for further details

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.

Steel and Aluminum

Prime using Devflex 4020PF water borne primer and allow to dry overnight. Consult the relevant primer datasheet for advice on surface preparation requirements.

Galvanized Steel

Prime using Devflex 4020PF water borne primer and allow to dry overnight. Consult the relevant primer datasheet for advice on surface preparation requirements.

Interior Wood:

Set nails and fill holes with latex spackle. Sand smooth. Dust clean. Self-prime or prime with Glidden Professional Gripper 3210 primer sealer. Do not use this product with lacquer undercoats.

Exterior Wood:

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

Drywall:

Prime with Glidden Professional Gripper 3210 primer sealer or Devflex 4020PF

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	Suitable	Use a 13 thou (0.33mm) tip size and adjust pressure as needed.
Brush	Suitable	
Roller	Suitable	
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	Clean all equipment immediately after use with warm, soapy water. All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.	

PRODUCT CHARACTERISTICS

Advantages:

- Alkyd-like hardness and durability
- Excellent gloss and color retention
- Low odor and water clean-up
- High hiding
- Non-yellowing
- Washable and scrubbable with mild detergents
- Rapid dry - minimum downtime in plant operations
- Good abrasion resistance
- Bonds to glossy surfaces
- Easy application - brush, roll or spray
- All purpose finish for multiple surfaces
- Highly flexible - resists peeling and chipping

Meets OTC (Industrial Maintenance) Regulations
Meets SCAQMD (Industrial Maintenance) Regulations
Meets CARB (Industrial Maintenance) Regulations
LEED (New Construction) Compliant
MPI Category 114 (Gloss Level 6)
Suitable for use in USDA-inspected facilities.

For uses where direct hand contact is expected to be heavy, such as hand railings and banisters, use Devflex 4216HP acrylic, or for extreme industrial applications, use Tru-Glaze-WB 4408

For application to proceed, both air and substrate temperature must not be less than 50°F (10°C). Do not apply if the relative humidity exceeds 80%.

Due to fast dry, brushing should be limited to small areas where a wet edge can be maintained. Rinse out brush in warm water periodically during extended brush application periods. For improved brushing, add up to eight oz./gal. Devflex 4207 Retarding Additive (do not exceed this level). If touch-up is required after the enamel has set, wait until it has thoroughly dried.

When applying Devflex 4208QD by brush or roller, it may be necessary to apply multiple coats to achieve the required film build.

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

For dry fall applications, low temperature and high humidity are of particular concern. Test for each application as follows: Spray from 15 to 25 feet towards paint container. The material then should readily wipe off. Note: Heat can fuse dry overspray to surfaces. Always clean dry overspray from hot surfaces before fusing occurs. Be aware that exterior surface temperatures can be higher than air temperature. Dry overspray can be wiped or washed from most surfaces. Satisfactory dry-fall performance depends upon the height of work, weather conditions and equipment adjustment.

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

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 4208QD:

Cathacoat 302H	Devflex 4020PF
Devguard 4141	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
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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