

Dulux Pro High Performance Waterborne Acrylic Enamel 4216

Product Description

- Generic

- General Description

- Typical Uses

Waterborne Acrylic

A premium quality, acrylic enamel for high traffic interior-exterior areas of commercial, institutional, residential and industrial structures. Features a non-yellowing film, excellent durability with a low VOC.

May be used on properly prepared wood, metal, or masonry surfaces.

Advantages

- Alkyd-like hardness and durability
- Excellent gloss and color retention
- High hiding
- Non-yellowing
- All purpose finish for multiple surfaces
- Excellent resistance to grease, oil and water
- Excellent flow and leveling
- Highly flexible - resists peeling and chipping
- Washable and scrubbable
- Good abrasion resistance
- Easy application - brush, roll or spray
- Low odor and water clean-up
- Low VOC
- Formulated without lead, chromate & mercury components
- Good mould resistance

Limitations of Use

Not recommended for large expanses of exterior wood such as wood siding

Color

White, safety colors & custom colors

Finish

Semi-Gloss & Flat (Matt)

Clean-up Solvent

Soap and water

Theoretical Specific Gravity

1.25 kg/L (white gloss) - varies with color or gloss level

Theoretical Solids By Volume

36% (white gloss) - varies with color or gloss level

Theoretical Coverage

At 1.0 Mil (25 microns) Dry: 15 m²/L

Practical Coverage

Apply at 3-9 m²/L. Actual coverage may vary depending on substrate and application method.

Recommended Film Thickness

1.5-4.0 mils (38-100 microns) dry, 4.3-11.6 mils (106-290 microns) wet.

Systems

Please consult the appropriate system guide, the particular job specification or your Akzonobel Paints' Representative for proper systems using this product. Systems must be selected considering the particular environment involved.

Service Temperature Limit

200°F (93°C) in air

Flame Spread Rating

Class A (0-25) over non-combustible surfaces

Flash Point

None

Dry Time

At 77°F (25°C) & 50% R.H.:

- To Touch

1 Hour

- To Recoat

4 Hours

Ventilation, film thickness, humidity, thinning and other factors can influence the rate of dry.

Substrate Temperature	77°F (25°C)
Minimum Recoat	4 Hours
Dry Hard	6 Hours
Maximum Recoat	
Self	No Limit

Warning

The above table provides general guidelines only. Always consult your Akzonobel Paints' Representative for appropriate recoat windows since the maximum aged recoat time of this product may be significantly shortened or lengthened by a variety of conditions, including, but not limited to humidity, surface temperature, and the use of additives or thinners. The use of accelerators or force curing may shorten the aged recoat of individual coatings. The above recoat windows may not apply if recoating with a product other than those listed above. If the maximum aged recoat windows is exceeded, please consult your Akzonobel Paints' Representative for appropriate recommendations to enhance adhesion. Failure to observe these precautions may result in intercoat delamination.

Shelf Life

24 months- unopened

General Surface Preparation	<p>All surfaces must be sound, dry, clean and free of oil, grease, wax, polish, dirt, mildew, form release agents, curing compounds, efflorescence, loose and flaking paint and other foreign substances.</p>
- New Surfaces	<p>Steel - Prime with waterborne metal primer DULUX PRO DEVFLEX™ 4020, DEVRAN 201 or BAR-RUST 231. Galvanized Metal and Aluminum – Prime with waterborne metal primer DEVFLEX 4020, DEVRAN 201. Wood - Prime with DULUX PRO DEVFLEX 4020. Drywall - Prime with DULUX PRO DEVFLEX 4020. Concrete, Plaster and Masonry - Cure at least 30 days before painting. pH must be 10.0 or lower. Remove laitance and roughen slick poured precast concrete and remove sealers by chemical cleaning or abrasive method such as sand sweeping. Rinse thoroughly with water and allow to dry. Remove loose aggregate. Prime with waterborne acrylic primer DEVFLEX 4020 or DEVRAN 201. Fill concrete block in areas not subject to moisture with fillers. Fillers must dry overnight before coating.</p>
- Previously Painted Surfaces	<p>Remove oil or grease residue by washing. Rinse thoroughly with water and allow to dry. Dull glossy areas by light sanding. Remove sanding dust. Remove loose paint. Scrub heavy chalk areas and overhead areas such as eaves with soap and water. Remove all mildew 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. Prime bare areas with primer specified under New Surfaces. Can be used self-primed over previously painted surfaces followed by a finish coat of this product.</p> <p>Remove of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substance requires the use of proper protective equipment, such as properly fitted respirator (NIOSH approved) and proper containment and cleanup.</p>
Directions For Use	<p>- Tinting Tint the appropriate base with Akzonobel Colorants.</p> <p>- Spreading Rate Apply at 3-9m²/L or 4.3-11.6 mils wet (1.5-4.0 mils dry). Actual coverage may vary depending on substrate and application method. For best hiding, tint primers toward finish coat color. Certain colors such as yellow, orange and pink may require multiple coats.</p> <p>- Applicaton Mix thoroughly before use. May be applied by brush, roll or spray. No thinning required. 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. If touch-up is required after the enamel has set, wait until it has thoroughly dried. For airless spray, use a .015" tip. Adjust pressure as needed. Use two coats of this enamel for maximum durability and uniformity. Do not apply when surface or air temperature is below 50°F (10°C). Brushing and rolling may require multiple coats to achieve correct film thickness and/or hiding.</p> <p>- Drying Time At 77°F (25°C) and 50% R.H., dries to touch in 1 hour and to recoat in 4 hours. Low temperature, high humidity, thick films or poor ventilation will increase these times.</p> <p>- Clean-up Clean immediately with warm, soapy water.</p>
Precautions	<p>WARNING! CAUSES EYE BURNS. CAUSES SKIN AND RESPIRATORY TRACT IRRITATION. HARMFUL IF INHALED. MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS INCLUDING DIZZINESS, HEADACHE OR NAUSEA. MAY BE HARMFUL IF SWALLOWED. OVEREXPOSURE MAY CAUSE BLOOD, LIVER, KIDNEY, REPRODUCTIVE SYSTEM DAMAGE. WHEN TINTED, CONTAINS EHTYLENE GLYCOL WHICH CAN CAUSE SEVERE KIDNEY DAMAGE WHEN INGESTED AND HAS BEEN SHOWN TO CAUSE BIRTH DEFECTS IN LABORATORY ANIMALS. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN. NOTICE: This product contains solvent. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. For additional safety information, refer to the Material Safety Data Sheet for this product. If sanding is done, wear a dust mask to avoid breathing of sanding dust. Do not breathe vapors or spray mist. If you experience eye watering, headaches, or dizziness, leave the area. If properly used, a respirator may offer additional protection. Obtain professional advice before using. Close container after each use. FIRST AID: In all cases of skin contact, wash off quickly with plenty of soap and water, remove contaminated clothing. For eye contact flush immediately with large amounts of water, for at least 15 minutes. Obtain emergency medical treatment. If swallowed, obtain medical treatment immediately. If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs, get medical help. KEEP FROM FREEZING. Note: These warnings encompass the products series. Prior to use, read and follow product specific MSDS and label information.</p>
Shipping	<p>- Freight Classification Paint</p> <p>- Flash Point None</p> <p>- Packaging 5 Litre, 20 Litre</p> <p>Type of Regulated Paint under the Air Pollution Control (Volatile Organic Compounds) Regulation of Hong Kong: [Flat coatings] & [Quick dry enamels] 香港空氣污染管制（揮發性有機化合物）條例下受規管漆料的類別：[啞面塗料]及[快乾磁漆] VOC content (ready to use) (flat) = 44 gm/litre 揮發性有機化合物含量（即用狀態）（啞面）= 44 克/公升 VOC content (ready to use) (semi gloss) = 31 gm/litre 揮發性有機化合物含量（即用狀態）（半光澤）= 31 克/公升 VOC content (ready to use) (low sheen) = 47 gm/litre 揮發性有機化合物含量（即用狀態）（低光澤）= 47 克/公升</p> <p>LIMITATION OF LIABILITY To the best of our knowledge, the technical data contained herein are true and accurate at the data of issuance but are subject to change without prior notice. We guarantee our product to conform to the specifications contained herein. WE MAKE NO OTHER WARRANTY OR GUARANTEE OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING MERCHANT ABILITY AND FITNESS FOR PARTICULAR PURPOSE. Liability, if any, is limited to replacement of the product or refund of the purchase price. LABOR OR COST OF LABOR AND OTHER CONSEQUENTIAL DAMAGES ARE HEREBY EXCLUDED.</p> <p>Any advice, recommendations, information, assistance or service provided by Akzonobel Paints in relation to goods manufactured or marketed by it or their use or any application is given in good faith. However, any advice, recommendations, information, assistance or service provided by Akzonobel Paints is provided without expressed or implied warranties.</p>
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