

DULUX® DIAMOND™ EXTERIOR 100% ACRYLIC PAINT 16440

Water based product, Satin Finish

Technical Data Sheet



Technical Specifications (21°C (70°F))

Solids by Volume:	43% (± 1%)
Solids by Weight:	56% (± 1%)

Volatile Organic Compounds (VOCs)*

According to ASTM D3960-05: < 50 g/L

**When tinted with PPG Formula Pro, even at maximum tint load in any colour, the colourant contributes less than 8 g/L of VOC to the final tinted product.*

Canadian regulation: < 150 g/L

Available Colours

16440	White
16448	Medium base *
16446	Ultra Deep Base *

**Must be tinted before use.*

Gloss Level

	Satin finish
• Gloss @ 60°:	5 – 10%
• Sheen @ 85°:	10 - 20%

Practical Coverage

23 to 37 sq. metres (250 to 400 sq. ft.) per 3.78 litres

Coverage figures do not include material loss due to application. Some colours, drastic colour changes, or porous surfaces may require additional coats of paint to achieve a uniform finish.

Resin Type

- 100% Acrylic

Viscosity* Ready to use (110 ± 5 Krebs Units)

Manufacturing specification, working viscosity may vary

Flammability

Flash Point*	Non Flammable
	Not applicable

Film Thickness requirements** Wet:

163 to 102 µm

6.4 to 4.0 mils

• Dry: 72 to 45 µm

2.8 to 1.8 mils

Drying* @ 25°C/77°F - 50% Relative Humidity

Touch dry: 60 minutes

To recoat: Minimum 4 hours

Before cleaning: 30 days

Full curing: 30 days

When relative humidity is higher than 50%, double the required time. Drying times listed may vary depending on temperature, humidity, colour, film build, and air movement.

*Technical Data Source: 16440

SATISFACTION GUARANTEED: The manufacturer warrants your complete satisfaction with the performance of this product for as long as you own or reside in your home when our product has been applied and maintained according to label directions. This satisfaction guarantee is non-transferable. The manufacturer does not warrant against problems with the product which are caused by factors beyond its control, such as structural defects, damage to the coating film by others, poor condition of the substrate, improper application, etc. If not satisfied as warranted, return the unused portion along with sales receipt to place of purchase. You will receive as your exclusive remedy either a refund of the price paid for the product or replacement with product of equal value. This warranty specifically excludes labour or costs of labour for the removal or application of any coating and indirect, special, consequential, and incidental damages.

Product Description

DULUX® DIAMOND™ Exterior is a 100% Acrylic High-Build Latex Paint specially formulated with outstanding technologies to withstand the ever-changing Canadian weather. This paint has been formulated with an effective fungicide to resist deterioration by mould, fungus/mildew. Excellent flow and levelling. Resists cracking and peeling. Advanced Acrylic polymer technology stops the penetration of dirt and water while still allowing the coating to breathe.

Features

- High build for exceptional hide.
- Enhanced dirt and UV resistance.
- Low temperature application.
- Quick dry 100% acrylic.
- Extends the painting season with application temperatures as low as +2°C (35°F).
- Self priming on recommended surfaces.

Intended Uses

- New and maintenance work.
- Residential and Commercial sites.
- Exterior surfaces: walls, doors, trim, siding, fascia-board, and eaves trough where a satin finish is desirable.

Surfaces

- Ideal for use on properly prepared, exterior wood, brick, stucco, fibre cement board, masonry, concrete, weathered aluminum siding, weathered vinyl siding, and primed metal substrates.

Certifications

- MPI™ – Category #214 Latex, Exterior (MPI Gloss Level 2).



Available at Dulux Paints Stores across Canada and Bétonel-Dulux Stores in Quebec.

Before use, be sure to read and follow the instructions and warnings on the label and Safety Data Sheet.

See other cautions on last page.

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SURFACE PREPARATION

Surface must be clean and dry. Remove all loose, peeling paint, dirt, grease, and any other surface contaminants. Blistering and peeling issues are commonly caused by moisture behind the paint film. Problems leading to excessive moisture in the substrate must be repaired prior to painting. Remove chalk residue with a wire brush. Rinse thoroughly with water and allow drying.

Putty all nail holes and caulk all cracks or open seams. Sand all glossy, rough, and patched surfaces. Clean up carefully sanding residue. When applied to an uncoated substrate, two coats are required, with the first coat acting as the primer. Apply an appropriate specialty primer on all special substrates, such as tannin staining wood, new or chalky masonry, and bare metal. Stucco, concrete, and masonry must be completely dry, free of efflorescence, and allowed to cure for 30 days prior to painting.

Eliminate stains caused by mildew with a solution of household bleach (1 part household bleach to 3 parts of water). Wear rubber gloves and eye protection. Rinse thoroughly with clear water and let dry completely.

PRECAUTION: Dry sanding will give rise to dust and/or hazardous fumes. Wet sanding should be used wherever possible. Wear suitable respiratory protective equipment when exposure cannot be avoided by adequate local ventilation. **WARNING!** If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. Contact a regional Health Canada office for more information.

Tools

- Brush: synthetic bristles (nylon, polyester)
- Roller: lint free – 13 - 30 mm
- Spray (Airless equipment)*: tip size: 0.015 to 0.021 in.
pressure: 1500 – 2000 psi

*Spray recommendations may vary from figures listed depending on equipment manufacturer.

Spray equipment must be handled with due care and in accordance with the manufacturer's recommendation. High-pressure injection of coatings into the skin by airless equipment may cause serious injury.

SYSTEM RECOMMENDATIONS

Two topcoats are recommended on all surfaces for better durability and appearance.

Previously painted surfaces in good condition:

Latex paints

- No primer required;
- *Dulux Diamond* 16440.

Aged alkyd paints

- *Dulux GRIPPER*® 60000A – one coat over total surface;
- *Dulux Diamond* 16440.

New surfaces:

Bare wood

- *Dulux Weatherguard* 1535;
- *Dulux Diamond* 16440.

Tannin staining wood- SEE SURFACE PREPARATION

- *Dulux Gripper* 60000A – one coat over total surface;
- *Dulux Diamond* 16440.

Concrete, stucco or masonry cured for at least 30 days

- *Dulux Diamond* 16440 may be used self-priming, as a primer coat under itself - one coat (bare areas or total surface);
- *Dulux Diamond* 16440.

Aged aluminum or vinyl siding

- *Dulux Diamond* 16440 may be used self-priming, as a primer coat under itself - one coat (bare areas or total surface);
- *Dulux Diamond* 16440.

Do not paint vinyl or plastic with a colour darker than the original to prevent potential warping due to heat absorption.

Non-Ferrous or galvanized metal

- *Dulux Weatherguard* 1535;
- *Dulux Diamond* 16440.

Application Conditions

Apply with a high-quality brush (polyester/nylon), roller, paint pad, or by airless spray equipment. When using more than one container of the same colour, intermix to ensure colour uniformity. Apply only when air, surface, and product temperatures are between 2°C (35°F) and 32°C (90°F) and at least 3°C (5°F) above the dew point. Air and surface temperatures must remain between 2°C (35°F) and 32°C (90°F) for the next 24 hours. Avoid painting in direct sunlight or on hot surfaces. Do not apply late in the day when dew and condensation are likely to form or if rain or snow is expected within 48 hours. On large expanses of metal, temperatures must be 10°C (50°F) or higher.

Limitations of Use

- **Do not paint vinyl or plastic with a colour darker than the original to prevent potential warping due to heat absorption.**
- **Do not use on roofs, floors, or patios.**
- Some colours, or drastic colour changes, may require additional coats of paint.
- Drying will take longer at low temperatures or under high conditions of humidity.
- Not formulated to be used on bare ferrous metals (iron, steel).
- Do not mix with other paints or thinners.

Application

Stir thoroughly. Do not thin. Apply with a high-quality brush (polyester/nylon), roller, paint pad, or by airless spray equipment. When using more than one container of the same colour, intermix to ensure colour uniformity.

DRYING: Allow minimum 4 hours before recoating at 25°C (77°F) and 50% relative humidity, and minimum 24 hours at 2°C (35°F). Drying times listed may vary depending on temperature, humidity, colour, film build, and air movement. Wait at least 30 days before cleaning the surface and use a non-abrasive, mild cleaner.

Safety Measures

MAY BE HARMFUL IF SWALLOWED. MAY CAUSE EYE AND SKIN IRRITATION. Avoid breathing vapours, spray, or mists. Avoid contact with skin and eyes. Wear protective gloves/clothing and eye/face protection. Keep out of reach of children. Keep container tightly closed and sealed until ready for use. **Note: These warnings encompass the product series. Prior to use, read and follow product-specific SDS and label information.** **FIRST AID TREATMENT:** If swallowed, call a Poison Control Centre or doctor immediately. If in eyes or on skin, rinse well with water. If breathed in, move person to fresh air. Contains isothiazolinones. May cause allergic reaction. Contains: nepheline syenite; titanium dioxide; diatomaceous earth; mica-group minerals; benzophenone. For workplace use, an SDS is available from your retailer or by calling 1-800-463-7426. **EMERGENCY SPILL INFORMATION:** 514-645-1320.

• For product information call: 1-800-387-3663

www.dulux.ca

Cleanup

Clean tools with warm, soapy water.

Remove as much product quantity as possible and clean hands and tools immediately with warm, soapy water. Clean spills right away with a damp cloth.

Storage and Transportation

Keep product cool and dry. **PROTECT FROM FREEZING.**

Disposal

Consult your municipality in order to dispose of paint residues according to environmental regulations. Do not pour down a drain or storm sewer.



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