DULUX® DIAMOND™

Technical Data Sheet

100% ACRYLIC INTERIOR PAINT AND PRIMER

151100

Water based product, Eggshell Finish

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

Solids by Volume:	42.0% (± 2%)
Solids by Weight:	57.3% (± 2%)

Volatile Organic Compounds (VOCs)*

According to ASTM D3960-05: 0[A, B] g/L

[A]No emission is detectable by the United States Environmental Protection Agency (USEPA) Test Method 24. When tinted with 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.

[B]Colourants added to this base paint may increase VOC level significantly depending on colour choice.

Available Colours

151100	White[B]
151180	Medium Base[B, C]
151160	Ultra Deep Base[B, C]

[C]Must be tinted before use.[B]Colourants added to this base paint may increase VOC level significantly depending on colour choice.

Gloss Level	Eggshell finish
• Gloss @ 60°:	5 – 10%
• Sheen @ 85°:	10 – 15%

Practical Coverage

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

Coverage figures do not include loss due to surface irregularities and porosity or material losses due to application method or mixing.

Resin Type

• 100% Acrylic

Viscosity* Ready to use (100 ± 5 Krebs Units)

Manufacturing specification, working viscosity may vary

Flammability	Non Flammable and Non Combustible
Flash Point*	Not applicable

Film Thickness requirements*	• Wet:	102 µm
		4 mils
	• Dry:	42 µm
		1.7 mils

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

Touch dry:	30 minutes
To recoat:	2 to 4 hours
Before cleaning:	30 days

When relative humidity is higher than 50%, double the required time.

Drying times listed may vary depending on temperature, humidity, film build, colour, and air movement. *Technical Data Source: 151100

Product Description

Dulux Diamond Interior 100% Acrylic Paint & Primer is a premium zero VOC[B] paint that offers great hiding and stain blocking, excellent coverage, a smooth finish and exceptional durability, scrub and burnish resistance.

Advantages

- Paint and Primer in One: Provides excellent hiding and coverage
- Exceptional flow and leveling: Results in a smooth and flawless finish
- Superior burnish resistance: Resists sheen and gloss changes when washed or scuffed
- 100% Acrylic Latex formulation: Promotes adhesion and overall durability
- Excellent scrub resistance: Offers longevity and durability in a washable finish
- Mildew resistant: Formulated to resist mildew growth on the paint film
- Zero VOC[B]: Meets the most stringent VOC regulations nationwide. *[B]Colourants added to this base paint may increase VOC level significantly depending on colour choice.*

Intended Uses

- New and maintenance work.
- Residential and Commercial sites.
- A paint and primer in one for interior surfaces in good condition and properly prepared.

Surfaces

- Properly primed surfaces: gypsum boards, drywall joint compound, plaster, fibre boards, concrete, stucco, masonry and wood.
- New surfaces: gypsum boards, hardened and dry drywall compound, new dry plaster, aged masonry or concrete.
- Surfaces in good condition previously painted with a water-based product and properly prepared.

Limitations of Use

- Not formulated to be used on floors, Not formulated to be used over aged alkyd finishes. Some colours, or drastic colour changes, may require additional coats of paint.

Certifications

MPI # 44 Latex, Interior, (MPI Gloss Level 2)
MPI # 138 Latex, Interior, High Performance Architectural, (MPI Gloss Level 2)
MPI # 144 and # 144 X-Green Latex, Institutional Low Odor/VOC, (MPI Gloss Level 2)
Contributes toward satisfying LEED® v4 EQ credits due to low VOC.

LIMITED WARRANTY: The manufacturer warrants performance of its products to its intended use if properly applied in accordance with the label directions and the specifications of the technical data sheet. Having no control over the application methods and conditions or the circumstances related to its use, no other warranty, expressed or implied, statutory or otherwise is given. This limited warranty extends only to the original purchaser of the product and is not transferable or assignable. If the product fails to conform to this limited warranty, we will, at your option, furnish replacement product or refund the purchase price. This limited warranty excludes (1) labour or costs of labour for the application or removal of any product and (2) all other direct, indirect, incidental, special, or consequential damages.

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SURFACE PREPARATION

Surface must be clean and dry. Remove all loose, peeling paint, dirt, grease, and any other surface contaminants. Putty all nail holes and caulk all cracks and open seams. Sand all glossy, rough, and patched surfaces. Remove mildew with a solution of household bleach (1 part household bleach to 3 parts of water). Rinse well. Repair holes and cracks. Sand rough areas smooth and dull glossy areas. **Primers:** This paint may be used as a primer coat on bare areas or total surface. However, for optimum results, especially on tough stains or on very porous or absorbent surfaces, it is recommended to apply the suitable basecoat. When applied to an uncoated substrate or to bare wood, two coats are required, with the first coat acting as the primer. Uncoated substrates, repaired surfaces, or lightly stained areas may require additional coats. For severe stains, water marks, and other challenging conditions, such as bare metal or chalky surfaces, use an appropriate specialty primer. **Concrete, Stucco, or Masonry:** Plaster, concrete, and masonry must be completely dry, free of efflorescence, and allowed to cure for 30 days prior to painting. Remove surface dust.

PRECAUTION

Dry sanding will give rise to dust and/or hazardous fumes. Wear suitable respiratory protective equipment. 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.

Previously painted alkyd surfaces in good condition: Prime surface with an appropriate primer. **Wood:** Unpainted wood or wood in poor condition should be sanded smooth, wiped clean, and then primed.

Application

Stir thoroughly. Do not thin. Apply with a high-quality brush (polyester/nylon), roller (nap size – 10 mm for smooth surfaces, 13 mm for ceilings, and up to 20 mm for rough or textured surfaces), paint pad, or by airless spray equipment. When using more than one container of the same colour, intermix to ensure colour uniformity.

Application Conditions

Apply only when air, surface, and product temperatures are between 10°C (50°F) and 32°C (90°F).

Tools

- Brush: synthetic bristles (nylon, polyester)
- Roller: Lint free – 10 - 13 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* 151100

Repaired surfaces
- *Dulux Diamond* 151100 may be used self-priming, as a primer coat under itself - one coat (bare areas or total surface)
- *Dulux Diamond* 151100

Alkyd paints
- Dulux X-PERT® Waterborne Alkyd Primer/Sealer 23010 or Dulux GRIPPER® – one coat over total surface
- *Dulux Diamond* 151100

New surfaces:

Gypsum drywall, hardened and dry drywall compound, new dry plaster, concrete, stucco or masonry:
- Dulux LIFEMASTER® Acrylic Primer/Sealer 59113 or *Dulux Diamond* 151100 may be used self-priming, as a primer coat under itself
- *Dulux Diamond* 151100

Wood:
- *Dulux Lifemaster* Acrylic Primer/Sealer 59113 or Dulux *Gripper* – one coat over total surface
- *Dulux Diamond* 151100

Cleanup

Clean tools with warm, soapy water.

Storage and Transportation

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

Disposal

Consult your municipality about proper disposal procedure of residue in accordance with the laws and respect the environment. Do not pour down a drain or storm sewer.

Safety Measures

For warning information, please refer to the SDS and label. SDS, spill, and emergency information are available by calling 1-833-477-1553.

For product information call: 1-866-660-2220
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