

DULUX® DIAMOND™ INTERIOR ACRYLIC LATEX PAINT 12110

Water based product, Matt Finish

Technical Data Sheet



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

Solids by Volume:	37% (± 1%)
Solids by Weight:	53% (± 1%)

Volatile Organic Compounds (VOCs)*

According to ASTM D3960-05: 0 g/L
**No emission is detectable by the United States Environmental Protection Agency (USEPA) Test Method 24. *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: < 100 g/L

Available Colours

12110	White	tintable.
12118	Medium Base*	
12116	Ultra Deep Base*	

**Must be tinted before use.*

Gloss Level	Matt finish
• Gloss @ 60°:	0 – 5%
• Sheen @ 85°:	0 – 3%

Practical Coverage

35 - 39 sq. metres (375 - 420 sq. ft.) per 3.78 litres
9 - 10 sq. metres per litre

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 (96 ± 5 Krebs Units)

Manufacturing specification, working viscosity may vary

Flammability	Non Flammable
Flash Point*	Not applicable

Film Thickness requirements*	Wet: 97 to 109 µm
	3.8 to 4.3 mils
	• Dry: 36 to 40 µm
	1.4 to 1.6 mil

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

Touch dry:	30 minutes
To recoat:	4 hours
Before cleaning:	14 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: 12110

Product Description

Dulux Diamond 12110 interior matt paint and primer in one provides a high-performance finish that is ideal for use when a matt finish is desired. The unique formula combines ceramic microspheres with advanced stain removal and cross-linking acrylic polymers to deliver a coating with great durability, adhesion, and stain resistance.

Advantages

- Paint and primer in one
- Excellent adhesion
- Excellent coverage
- Superior hiding of minor surface imperfections
- Great durability & long life
- Excellent touch up
- High hiding & luxurious finish
- Dries quickly with very little odour

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 #53 Latex, Interior, Flat (MPI Gloss 1)
- MPI #142 Latex, Interior, High Performance Architectural Flat (MPI Gloss Level 1)
- MPI #143, Institutional Low Odor/VOC, Flat (MPI Gloss Level 1)
- Complies with LEED® Canada - CI (2006) and NC & CS (2009)

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

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SURFACE PREPARATION

Surfaces must be clean and dry. Remove all dirt, chalking, grease, rust, loose or peeling paint and other surface contamination. Wash well with an appropriate cleaner. Rinse well and allow to dry.

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.

Dulux Diamond 12110 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. New concrete, masonry or plaster must age at least 30 days and be thoroughly dry before painting.

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. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a properly fitted NIOSH-approved respirator and prevent skin contact to control lead exposure. 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

This is a ready-to-use product, do not thin.

Shake well before and frequently during use.

Keep containers closed when not in use.

Apply using brushes, rollers or spray equipment.

Application Conditions

Apply with good ventilation only when air and surface temperatures are between 10°C (50°F) and 32°C (90°F).

Tools

- Brush: synthetic bristles (nylon, polyester)
- Roller: Lint free – 10 - 15 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* 12110

Repaired surfaces

- *Dulux Diamond* 12110 may be used self-priming, as a primer coat under itself - one coat (bare areas or total surface)
- *Dulux Diamond* 12110

Alkyd paints

- *Dulux X-PERT®* Waterborne Alkyd Primer/Sealer 23010 or *Dulux GRIPPER®* – one coat over total surface
- *Dulux Diamond* 12110

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* 12110 may be used self-priming, as a primer coat under itself
- *Dulux Diamond* 12110

Wood:

- *Dulux Lifemaster* Acrylic Primer/Sealer 59113 or *Dulux Gripper* – one coat over total surface
- *Dulux Diamond* 12110

Vivid, brilliant and deep colours:

- *Ultra Latex Accent* Basecoat – one coat over total surface.
- *Dulux Diamond* 12110 – additional coat may be required

Cleanup

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. DO NOT FREEZE

Disposal

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

Safety Measures

Before use, be sure to read and follow the instructions and warnings on the label and Safety Data Sheet (SDS). Keep out of the reach of children. Avoid contact with eyes or skin. Wear protective gloves/clothing and eye/face protection. Use only in well-ventilated area.

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.

FIRST AID: If swallowed, rinse mouth with water (only if the person is conscious). Call physician immediately. Do not induce vomiting unless directed to do so by medical personnel. If in eyes, rinse with water for 15 minutes. Check for and remove any contact lenses. In case of contact, immediately flush skin with plenty of water while removing contaminated clothing and shoes. Get medical attention if irritation develops. If inhaled, remove to fresh air. If experiencing respiratory symptoms call poison centre or doctor/physician.

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

www.dulux.ca

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