

DULUX DIAMOND EXTERIOR 100% ACRYLIC PAINT 1650

Water based product, semi-gloss finish

Technical Data Sheet



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

Solids by Volume – 39% (+/- 1%)

Solids by Weight – 48% (+/- 1%)

Volatile Organic Compounds (VOCs)*

According to ASTM D3960-05: < 150 g/L

Canadian regulation: < 150 g/L

Colour

White, medium and ultra deep bases

Gloss Level Semi-gloss finish

• Gloss @ 60°: 40 - 60%

• Sheen @ 85°: 70 – 90%* *Typical sheen @ 85°

Practical Coverage

380 - 420 sq. ft. per 3.78 litres

9 - 10 sq. metres per litre

(Actual coverage will vary depending on substrate and application method.)

Resin Type

• 100% Acrylic

Viscosity* Ready to use (94 - 104 Krebs Units)

Flammability Non Flammable

Flash Point* N/A

Recommended Film Thickness*

• Wet: 4 mils

• Dry: 1.6 mils

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

**Drying & recoat times are dependent on temperature, humidity, ventilation and film thickness*

Touch dry: 1 hour

To recoat: 4 - 6 hours

Before cleaning: 7 – 10 days

*Technical Data Source: 1650

Product Description

Dulux Diamond Exterior Semi-gloss 1650 is formulated to provide a beautiful and durable finish that withstands the ever-changing Canadian weather.

Dulux Diamond Exterior Semi-gloss 1650:

- Extends the painting season with application temperatures as low as 2°C /30°F
- Self priming on recommended surfaces
- Ceramic Microspheres and 100% Acrylic resin result in an exceptionally durable surface
- Semi-Elastomeric Acrylic Latex grips the most challenging of surfaces and resists cracking and peeling
- Repellent polymer technology stops dirt and water penetration while still allowing the coating to breathe
- “Easy flow” modifiers result in excellent flow and leveling, with no brush or drag marks
- Contains an effective fungicide to protect the paint film from growth of mildew on the surface

Intended Uses

- New and maintenance work
- Residential and Commercial sites
- Exterior doors, trim and walls
- New and previously painted wood, concrete, masonry, brick, stucco, pre-finished aluminum, vinyl siding, and metal

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Available at Dulux Paints Stores across Canada and Betonel-Dulux Stores in Québec

SURFACE PREPARATION

All surfaces must be clean, dry and free of dirt, chalk, grease, wax, rust and loose or peeling paint before painting. Remove all surface contaminants by washing with an appropriate cleaner. Rinse thoroughly with water and allow dry time.

- Scrub heavy chalk areas and overhead areas such as eaves with soap and water.
- Mildew must be removed by washing affected area with a solution of 30% household bleach and 70% water. Rinse well.
- Remove all loose and peeling paint and sand to smooth edges.
- Repair holes and cracks with filler suitable for the surface to be repaired.
- If wood exudes resin, scrape the excess and clean surface with alcohol or paint thinner.
- Sand all surfaces smooth, lightly sand glossy areas and sand weathered wood to a new wood appearance. Vacuum sanding residue. *Precaution:* Dry sanding, flame cutting and/or welding of dry paint film will give rise to dust and/or hazardous fumes. Wet sanding should be used wherever possible. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used.

New Concrete, Masonry or Plaster: must age at least 30 days and be thoroughly dry before painting.

Bare Wood: sand smooth.

Application

Ready-to-use product, do not thin.

Mix thoroughly before use.

Apply using brushes, rollers or spray equipment.

Application Conditions

Apply with good ventilation. Ensure air, material and surface temperatures are above 30°F (2°C). Do not apply if rain, snow or heavy dew is expected within 48 hours. Avoid painting in direct sunlight.

Tools

- Brush – synthetic bristles (nylon, polyester)
- Lint free roller – 15 - 30 mm
- Spray (Airless equipment) – tip size: 0.013 to 0.019 in - Pressure: 2300 – 2700 psi

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

Clean-up Clean hands and tools immediately with warm, soapy water. Clean spills right away with a damp cloth.

SYSTEM RECOMMENDATIONS

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

Previously painted surfaces:

Surfaces in good condition

- No primer required
- Dulux Diamond 1650

Repaired surfaces

- Dulux WeatherGuard Acrylic Primer 1535 OR Dulux Diamond 1650 may be used self-priming, as a primer coat under itself - one coat (bare areas or total surface)
- Dulux Diamond 1650

Weathered Aluminum and Vinyl Siding

- Dulux WeatherGuard Acrylic Primer 1535 OR Dulux Diamond 1650 may be used self-priming, as a primer coat under itself - one coat (bare areas or total surface)
- Dulux Diamond 1650

Do not repaint vinyl siding with colours darker than the original colour, the siding may warp

Aged alkyd surfaces

- Dulux Gripper – one coat over total surface
- Dulux Diamond 1650

Wood, concrete, stucco or masonry:

- Dulux WeatherGuard Acrylic Primer 1535 OR Dulux Diamond 1650 may be used self-priming, as a primer coat under itself – one coat over total surface
- Dulux Diamond 1650

Slight discoloration on redwood or cedar is normal. If the staining is considerable prime with Dulux Gripper – 1 coat

Ferrous Metal:

- Dulux Metalclad Red Oxide Anti-corrosion Coating – one coat over total surface
- Dulux Diamond 1650

Non Ferrous and Galvanized Metal:

- Dulux WeatherGuard Acrylic Primer 1535 – one coat over total surface
- Dulux Diamond 1650

Storage and Transportation

Keep product cool and dry.

DO NOT FREEZE

Disposal

Consult your municipality about proper disposal procedures in accordance with the laws and respect the environment or give leftover paint to someone who could use it: a neighbor or friend, a recreational service or a non-profit organization. Do not pour leftover product down the drain.

Safety Measures

Read the Material Safety Data Sheet. Avoid contact with eyes. Keep out of reach of children. Use only in well ventilated areas.

FIRST AID TREATMENT: If in contact with eyes, rinse thoroughly with clear water. If swallowed, do not induce vomiting. Call poison centre or physician immediately.

For product information call: 1-(800)-387-3663
www.dulux.ca