

# DULUX DIAMOND EXTERIOR 100% ACRYLIC PAINT 1640

Water based product, satin finish

## Technical Data Sheet



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

Solids by Volume – 36% (+/- 1%)

Solids by Weight – 51% (+/- 1%)

#### Volatile Organic Compounds (VOCs)\*

According to ASTM D3960-05: < 100 g/L

Canadian regulation: < 150 g/L

#### Colour

White, medium and ultra deep bases

#### Gloss Level

#### Satin finish

• Gloss @ 60°: 5 - 12%

• Sheen @ 85°: 10 – 20%\*

\*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 (97 - 107 Krebs Units)

#### Flammability

Non Flammable

#### Flash Point\*

N/A

#### Recommended Film Thickness\*

• Wet: 4 mils

• Dry: 1.4 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

### Product Description

Dulux Diamond Exterior Satin 1640 is formulated to provide a beautiful and durable finish that withstands the ever-changing Canadian weather.

Dulux Diamond Exterior Satin 1640:

- Provides early shower resistance within 30 minutes of application @ 15°C/59°F - 70% relative humidity
- Extends the painting season with application temperatures as low as 2°C /34°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 breath
- "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 walls, doors and trim
- New and previously painted wood, concrete, masonry, brick, stucco, pre-finished aluminum, vinyl siding, and metal

### Certifications - As of August 2014

Approved to:

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

\*Technical Data Source: 1640

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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 34°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 1640

#### Repaired surfaces

- Dulux WeatherGuard Acrylic Primer 1535 OR Dulux Diamond 1640 may be used self-priming, as a primer coat under itself - one coat (bare areas or total surface)
- Dulux Diamond 1640

#### Weathered Aluminum and Vinyl Siding

- Dulux WeatherGuard Acrylic Primer 1535 OR Dulux Diamond 1640 may be used self-priming, as a primer coat under itself - one coat (bare areas or total surface)
- Dulux Diamond 1640

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

#### Aged alkyd surfaces

- Dulux Gripper 60000 – one coat over total surface
- Dulux Diamond 1640

### Wood, concrete, stucco or masonry:

- Dulux WeatherGuard Acrylic Primer 1535 OR Dulux Diamond 1640 may be used self-priming, as a primer coat under itself – one coat over total surface
- Dulux Diamond 1640

*Slight discoloration on redwood or cedar is normal. If the staining is considerable prime with Dulux Gripper 60000 – 1 coat*

### Ferrous Metal:

- Dulux Metalclad Red Oxide Rust Preventive Coating – one coat over total surface
- Dulux Diamond 1640

### Non Ferrous and Galvanized Metal:

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

## 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