

DULUX® WEATHERGUARD® EXTERIOR 100% ACRYLIC PAINT 1550

Water based product, Semi-Gloss Finish

Technical Data Sheet



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

Solids by Volume:	31% (± 1%)
Solids by Weight:	42% (± 1%)

Volatile Organic Compounds (VOCs)*

According to ASTM D3960-05:	< 100 g/L
Canadian regulation:	< 150 g/L

Available Colours

1550	Tintable white
1558A	Medium base *
1556	Ultra Deep Base *
1554	Black

DO NOT TINT.

**Must be tinted before use.*

Gloss Level

Semi-Gloss finish

• Gloss @ 60°:	35 – 55%
• Sheen @ 85°:	Not available

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 (94 ± 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:	31 to 34 µm 1.2 to 1.4 mil

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

Touch dry:	60 minutes
To recoat:	Minimum 4 hours
Before cleaning:	14 days
Full curing:	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: 1550

Product Description

Dulux Weatherguard semi-gloss 1550 paint and primer in one is a premium quality, acrylic latex exterior paint, designed for use on most exterior surfaces. Ideal for use when a semi-gloss finish is desired, it is self-priming on recommended surfaces and possesses excellent weather resistance, gloss and colour retention, and exceptional adhesion.

Features

- High viscosity and good hiding power.
- Good colour and gloss retention
- Excellent adhesion.
- Dries to a very durable, washable finish
- Resistant to the alkalinity of the concrete.
- Contains a preservative which is mildew resistant.
- Withstands the effects of weather; excellent flexibility; resists flaking, peeling and cracking.

Intended Uses

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

Surfaces

- Pre-finished aluminum, vinyl siding, surfaces in good condition, previously painted and properly prepared.
- Aged stucco, masonry, brick, or concrete.
- Properly primed surfaces: porous surfaces, wood, and metal.

Certifications

- MPI #11 Latex, Exterior Semi-Gloss (MPI Gloss Level 5)

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SURFACE PREPARATION

Surface must be clean and dry. Remove all dirt, grease, chalk, rust, and any other surface contaminants with an appropriate cleaner. Remove chalk residue with a wire brush. Rinse thoroughly with water and allow drying.

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.

Remove loose and peeling paint and sand to smooth edges. 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.

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 speciality *Dulux* primer on all special substrates such as tannin staining wood, new or chalky masonry, and bare metal.

Concrete, Stucco or Masonry: Must be completely dry, free of efflorescence, and allowed to cure for 30 days prior to painting.

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. 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.

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 Weatherguard* 1550.

Aged alkyd paints

- *Dulux GRIPPER*® 60000A – one coat over total surface;
- *Dulux Weatherguard* 1550.

New surfaces:

Bared wood

- *Dulux Weatherguard* 1535;
- *Dulux Weatherguard* 1550.

Tannin staining wood

- *Dulux Gripper* 60000A – one coat over total surface;
- *Dulux Weatherguard* 1550.

Concrete, stucco or masonry cured for at least 30 days

- *Dulux Weatherguard* 1550 may be used self-priming, as a primer coat under itself - one coat (bare areas or total surface);
- *Dulux Weatherguard* 1550.

Aged aluminum or vinyl siding

- *Dulux Weatherguard* 1550 may be used self-priming, as a primer coat under itself - one coat (bare areas or total surface);
- *Dulux Weatherguard* 1550.

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 Weatherguard* 1550.

Application Conditions

Apply only when air, surface, and product temperatures are between +4°C (40°F) and 32°C (90°F) and at least 3°C (5°F) above the dew point.

Air and surface temperatures must remain between +4°C (40°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. Do not apply when rain or snow precipitation is expected within 48 hours.

On large expanses of metal, temperatures must be 10°C (50°F) or higher.

Limitations of Use

- On vinyl siding, do not use shades that are darker than the original as it could lead to warping.
- 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 roofs, floors, or decks.
- Not formulated to be used on bare ferrous metals (iron, steel).
- Do not mix with other paints or thinners.

Application

This is a ready-to-use product, do not thin. For optimum application properties, bring material to at least 10°C (50°F) prior to application. Shake well before and frequently during use. Keep containers closed when not in use. Apply with a high quality brush (polyester/nylon), roller, or by airless spray equipment. When using more than one container of the same colour, intermix to ensure colour uniformity.

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

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.



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