

DULUX INTERIOR POLYURETHANE MODIFIED ACRYLIC VARNISH WITH ALUMINUM OXIDE 51000

Technical Data Sheet



Water based product, semi-gloss finish

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

Solids by Volume – 32% (+/- 1%)
Solids by Weight – 35% (+/- 1%)

Volatile Organic Compounds (VOCs)*

According to ASTM D3960-05: < 250g/L
Canadian regulation: < 350 g/L

Colour

Transparent – do not tint

Gloss Level Semi-gloss finish

- Gloss @ 60°: 40 - 60%
- Sheen @ 85°: n/a

Practical Coverage

450 - 520 sq. ft. per 3.78 litres
12- 13 sq. metres per litre @ 1 mils D.F.T.
(Actual coverage will vary depending on substrate
and application method.)

Resin Type

- Acrylic and Polyurethane Emulsion

Diluent

- Water

Viscosity* Ready to use

Flammability Non Flammable

Flash Point* n/a

Recommended Film Thickness*

(according to the maximum spreading rate)

- Wet: 3.2 mils
- Dry: 1.1 mils

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

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

Tack free:	1 – 2 hours
To recoat:	2 – 4 hours
Prior to circulation:	24 hours
To replace furniture:	7 days
Before cleaning:	14 days

Product Description

Dulux Polyurethane Modified Acrylic Varnish 51000 is an interior aluminum oxide enhanced acrylic-urethane latex varnish that protects, restores and enhances the natural beauty of new and previously varnished wood surfaces.

Dulux Polyurethane Modified Acrylic Varnish 51000:

- Non yellowing
- Aluminum oxide formulation provides added durability and wear resistance
- Easy application – no hardener required.
- Self sealing
- Quick dry
- Good resistance to abrasion, alcohol, water, food stains, grease and detergents

Intended Uses

- New and maintenance work
- Residential and Commercial sites
- Doors, furniture, woodwork and floors
- New or previously varnished wood surfaces
- Not for use over shellac

*Technical Data Source: 51000

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

SURFACE PREPARATION

All surfaces must be clean, solid, dry and free of dirt, dust, oil, soot, chalking, mildew, grease, wax, and other contaminants.

- Mildew must be removed by washing affected area with a solution of 30% household bleach and 70% water. Rinse well.
- Strip surface if it is not in good condition
- Lightly sand glossy areas. Vacuum sanding residue.

Previously Varnished Wood: Lightly sand with 80 – 120 grit sandpaper to remove gloss and imperfections. If previous varnish is in poor condition sand down to bare wood. Remove sanding residue. Let dry thoroughly.

Bare Wood: sand smooth with 80 – 120 grit sandpaper (do not use steel wool) to obtain a uniform and flawless surface. Remove sanding residue. Let dry thoroughly.

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.

Application

Ready-to-use product, do not thin.

Stir lightly with a paint stick, do not shake.

Pour the quantity of varnish needed into another container. Keep containers closed when not in use.

Apply uniformly in the direction of the wood grain on a fully dry surface. Avoid bubbles.

Let dry thoroughly between coats and sand lightly, in the direction of the wood grain, using 220 – 320 grit sandpaper. Remove sanding residue.

Application Conditions

Apply with good ventilation when air and surface temperatures are between 15°- 30°C (59 - 86°F)

Ideal temperature 20°C± 5°C (68°F±)

Relative humidity: ideal between 15 – 50%, maximum 85%.

Conditions must be maintained during the application and for the next 24 hours.

Tools

- Brush – synthetic bristles (nylon, polyester)
- Lamb's wool application pad

SYSTEM RECOMMENDATIONS

Bare Wood:

- Dulux Polyurethane Modified Acrylic Varnish 51000 – three coats provides better durability.

Previously Varnished Wood:

- Dulux Polyurethane Modified Acrylic Varnish 51000 – one to three coats, depending on the surface condition. Three coats provides better durability

Clean-up

Remove as much of the product as possible and clean tools with soap and lukewarm water immediately after use.

Surface Maintenance

Immediately wipe any spills. To remove stains on the floor, use a sponge and a non-abrasive cleaner; follow manufacturer's instructions.

Put cloth pads under furniture to avoid scratching floors.

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