

CODE: AL-154

**PRODUCT NAME:**

**Alkyd Gloss Varnish**

**DESCRIPTION:**

AL-154 is a single pack alkyd decorative gloss varnish for both interior and exterior woodworks. It has excellent durability even in marine conditions.

It is not recommended in alkaline conditions. As with alkyd systems, AL-154 has limited chemical and solvent resistance and is not suitable for use in immersion situations or in conditions of continuous condensation.

**TECHNICAL DATA:**

Binder	Alkyd resin
Pigment	No pigments
Finish	Gloss
Shade	Transparent
Specific gravity	0.95±0.05 Kg/Lit
Volume solid	35±3 %
Flash point	30 °C
Typical dry film thickness	25-35 Microns per one coat
Number of coat	One or two
Substrate	Primed wood surfaces
Application method	Conventional or air less spray , brush , roller
Thinner / Cleaner	T-100
Weight of added thinner	15-20 %
Theoretical spreading rate - one coat ( at 25 microns)	14 M <sup>2</sup> /Lit
Packing	4 kg or 18Kg
Shelf life	12 Months

Under License



Approved



## Drying Time

Temp	Touch dry	Hard dry	Overcoating	
			Max	Min
15°C	6 hours	26 hours	24 hours	-
25°C	4 hours	20 hours	18 hours	-
40°C	3 hours	18 hours	14 hours	-

**Note:** Drying times are dependent on applied film thickness. All data in this catalogue are reported at recommended DFT

### SURFACE PREPARATION

All surfaces to be coated should be clean, dry and free from contamination. Fresh water wash or water wash with high pressure, as appropriate, and remove all oil or grease, soluble contaminants, and other detrimental foreign matter in accordance with SSPC-SP1 solvent cleaning.

### NEW BUILDING/MAJOR REFURBISHMENT

AL-154 should always be applied over a recommended primer or coating scheme. The primer surface should be dry and free from all contamination, and AL-154 must be applied within the overcoating intervals specified (consult the relevant product data sheet).

Areas of breakdown, damage etc., should be prepared to the specified standard SSPC-SP-1, Hand/power cleaning and patch primed prior to the application of AL-154.

Loose or flaking coatings should be removed back to a firm edge and AL-154 or an appropriate primer should be used to repair the area before application of the full coat.

- Surface preparation shall not take place in the following conditions:

- A) At temperature below 5 °C
- B) When the relative humidity greater than 85%
- C) When the metal surface temperature is less than 3 °C above the dew point
- D) Outside day light hours on exterior location

-Apply AL-154 as soon as possible after surface preparation

### Application Method:

This material is a one component coating and should always be mixed thoroughly with a power agitator before application.

## Application Equipments

Airless Spray	Tip range 0.013-0.017inch Total output pressure at spray tip not less than 141Bar (2000 psi)
Air Spray	Nozzle Orifice:1.2-1.8mm Nozzle Pressure:2-3Bar (29-43 psi )
Brush	Typically 25 mic can be achieved.
Roller	Typically 30 mic can be achieved.

**Flush Equipment with recommended Cleaner before and after use.**

## ENVIRONMENTAL CONDITIONS:

- For satisfactory cure, air and surface temperature must be above 10 °C.
- To prevent moisture condensation during application, surface temperature must be at least 3 °C above the dew point.
- Never apply coatings under reverse environmental condition.
- Paint shall not be applied when wind speed is in excess of 7 m/s.

Air temperature	10 to 40 °C
Surface temperature	10 to 50 °C
Material temperature	15 to 40 °C
Relative humidity	Max 80 %

## Health and Safety:

This product is Flammable. Keep away from heat and open flame .Keep container closed .Use with adequate ventilation. Avoid prolonged and repeated contact with skin. If used in confined areas, observe the following precautions to prevent hazards of fire or explosion or damage to the health:

- 1-Circulate adequate fresh air continuously during application and drying.
- 2-Use fresh air masks and explosion proof equipment.
- 3- Prohibit all flames,sparks,welding and smoking.