



## 03.81 Ultra Varnish

### PRODUCT DESCRIPTION & USES

**03.81 Ultra Varnish** is an exterior durable synthetic varnish designed for interior and exterior use on Timber surfaces. It offers superior flow properties and dries to a hard and flexible film. **03.81 Ultra Varnish** is available in Gloss for the build coats and Satin, if required, for finishing.

### PRODUCT FEATURES

- Easy application.
- Resistant to cracking, peeling or blistering.
- UV Absorbing
- Clear film with a choice of gloss or satin.
- Made in New Zealand for New Zealand conditions.

### TECHNICAL DATA

Gloss Level	60-80% at 60° (gloss) 35-45% at 60° (satin)
Primer	Not applicable – refer Substrate Preparation Instructions for Oily Timbers.
Wash Up	<b>06.01 Special Thinner</b>
Colours	Not applicable
Pack Size	250mL, 500mL, 1L, 4L.
Storage Temperature	5°C - 50°C
Shelf Life	Minimum 2 years.
VOC content	380g/L for gloss and 420g/L for Satin as per EC07-09 and APAS definition of Volatile Organic compounds.
Volume Solids	52% for gloss and 45% for satin.
Wet Film Thickness	65-80µ per coat.
Dry Film Thickness	33-38µ per coat.
Coverage	14-16 m <sup>2</sup> /L depending on surface texture, porosity and method of application.

### SUBSTRATE PREPARATION INSTRUCTIONS

Surfaces must be clean and free from all loose material, dirt and mould. Scrape off all peeling and flaking material. If mould or mildew is present, treat affected areas with **A924 Mould Kill X200**, following directions on the pack.

Areas to be varnished should be sanded to a very smooth and even surface. It is recommended that the first coat of **03.81 Ultra Varnish Gloss** be thinned with up to 50% of **06.01 Special Thinner** for better penetration and adhesion.

For new timber, sand smooth-planed timber to break the “mill glaze” to allow proper penetration and adhesion. Apply 3 coats of **03.81 Ultra Varnish Gloss** on sun exposed interior surfaces, 5 coats of **03.81 Ultra Varnish Gloss** on sun exposed exterior surfaces. On interior surfaces not exposed to direct sunlight apply 3 coats of the desired sheen level **03.81 Ultra Varnish**.

If a Satin Sheen is required on timber surfaces subject to direct sun exposure finish the **03.81 Ultra Varnish Gloss** build coats with 1 coat of **03.81S Ultra Varnish Satin**.

Cure of **03.81 Ultra Varnish** may be inhibited if used on Teak or oily native timbers such as Rimu, Totara or Matai. For these timbers one coat of **A422 Stays Clear Acrylic Gloss** should be applied as a sealer prior to the application of the specified finishing coats of **03.81 Ultra Varnish**.

### RECOMMENDED APPLICATION METHODS AND TECHNIQUES

Mix the contents in the can thoroughly before and during use

Apply in full, even coats.

Minimum Surface Temperature:	5°C
Maximum Relative Humidity:	75%
Temperature Range:	5°C - 35°C
Suitable Application Methods:	Brush
Thinners:	<b>06.01 Special Thinner</b>
Cleaning Solvent:	<b>06.01 Special Thinner</b>
Max. Volume Thinners:	Not applicable.
Nozzle Orifice:	Not applicable.
Fan Angle:	Not applicable.
Nozzle Pressure:	Not applicable.

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**NOTE:** The information concerning the use and application of this product is intended for use by professional specifiers and applicators, is given in good faith and is believed to be correct at the date of issue. Protective Paints Ltd reserves the right to alter the product or specification without notice. The user should check the date of issue, and if more than 24 months have elapsed, should verify with our nearest sales office that the information is still current. Because we cannot control the way these products may be used, or the conditions they may be exposed to, we can give no express guarantees in respect of the performance of this product. However certain guarantees may be implied by law.



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### DRYING CHARACTERISTICS

All figures quoted are at 20°C and 65% relative humidity.

Drying will take longer at lower temperatures and/or at higher relative humidity.

Do not paint when temperature of surface is below 5°C, above 35°C or when humidity is very high.

Do not apply when rain or dew is expected within 4 hours.

Touch Dry; 8 hours

Recoat: 12 hours

Full Cure: 7 days

### HEALTH & SAFETY

CAUTION! FLAMMABLE

Flash Point: 24°C

Contains petroleum solvents: keep away from heat and open flame. Close container when not in use.

KEEP OUT OF REACH OF CHILDREN

WARNING: This material may be harmful if swallowed or inhaled and may cause skin or eye irritation.

PRECAUTIONS: Avoid breathing vapour -- use with adequate ventilation. Do not eat, drink, or smoke whilst using. Store in a cool, well ventilated area indoors between 5°C - 20°C. Dispose of empty container safely. Empty cans or cans containing dry material may be recycled. Do not contaminate any water supply.

### FIRST AID

If Swallowed: Give water to dilute. Owing to the aspiration hazard of hydrocarbon solvents, DO NOT CAUSE VOMITING. Get medical attention without delay.

Eye Contact: Treat immediately with water -- hold open and flush for at least 15 minutes. Get medical attention if irritation persists.

Skin Contact: Remove any contaminated clothing and wash skin thoroughly with soap and water. Avoid scrubbing skin.

Inhalation: Leave the hazard area, maintain breathing and get medical attention.

FIRE: Use foam, carbon dioxide or dry chemical powder.

SPILLS: Absorb with sand or earth. Collect and seal in properly labelled drums for disposal according to local waste management authority.

Refer MSDS, available on request, for detailed safety instructions

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Protective Paints Limited, 14 Arwen Place, East Tamaki, P.O. Box 204 293, Highbrook Postal Centre, Manukau 2161  
Ph: (09) 274 5606 Ph: 0800 724 684 Fax: (09)274 0940. Email: [reception@propaints.co.nz](mailto:reception@propaints.co.nz)  
<http://www.propaints.co.nz/>; <http://www.portugalcork.co.nz/>; <http://www.paintndecor.co.nz/>