



# Crystal Urethane

## Technical Data Sheet

March 2013

**501 – Satin M  
503 – Hi-Gloss**

**501 – Satin**

**502 – Semi-Gloss**

### Description

Timber Pro Crystal Urethane is a non-yellowing waterborne oil modified urethane/acrylic for interior and exterior use on all species of wood. Crystal Urethane has special built in UV absorbers and light stabilizers to give your wood surfaces that extra protection needed from the discoloring effects of the sun.

### Where to Use

Timber Pro Crystal Urethane can be used on all interior surfaces to give a tough and durable protection for the wood along with providing protection for the wood along with providing protection from the ultraviolet and harmful effects to the wood. The following are areas of use for the crystal urethane.

#### INTERIOR

- wood walls
- floors
- doors
- counter tops
- trims
- cupboards

#### EXTERIOR

- doors
- window sills

#### RESTRICTIONS

Timber Pro Crystal Urethane is not recommended for large outside areas (decks, siding, Logs or garage doors)

- Do not use below waterline on boats
- Do not use over paint or non-wood surfaces
- Do not thin
- Do not use over water repellants or stained sealers containing water repellants

### Features and Benefits

- Can be used in interior and exterior wood surfaces
- Non-yellowing formula
- Very chemical resistant
- Very abrasion resistant
- Excellent UV protection



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### Color Range and Packaging

**Color :** Clear  
All gloss levels may be tinted to the complete Timber Pro color series (TR series ) Transparent . Use only Timber Pro pigments to tint

**Packaging:** 1US Quart, 1 US Gallon ,5 US gallon pail

### Properties

**Viscosity -** 15 – 30 seconds with #4 Ford Cup

**Gloss Level -** Matte 12  
Satin 25 - 35 GU @ 60 degree  
Semi 45 - 60 GU @ 60 degree  
Gloss 70 - 85 GU @ 60 degree

**Solids by Weight -** 32 % +/- 1%

**Solids by Volume -** 28% +/- 1%

**V.O.C. -** 153-157 g/l minus water (1.24 lbs. per US gallon) depending on gloss level

**Density -** 8.4 lbs./Gal.

**Dry Time -** 30 min touch dry  
4 hours through dry

### Shelf Life

Approximately two years in an unopened container

KEEP FROM FREEZING

### Coverage

Smooth Wood: 400 – 500 square feet per gallon

Note : this will vary with the porosity of the wood

### Application

Use a spray applicator or nylon polyester brush



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### Clean Up

With soap and mild detergent

### Product Disclaimer

The technical information and suggestions for use herein are based on Timber Pro Coatings Ltd research and experience and believed to be reliable. But such information and suggestions do not constitute a warranty. Since Timber Pro Coatings has no control over the conditions under which the product is transported, stored, handled, used or applied, buyers must determine for themselves by preliminary tests or otherwise the suitability of the product for their purposes.

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## MATERIAL SAFETY DATA SHEET

Date of issue : August 16 1999

Revision Date: Feb 13, 2019

### SECTION 01: PRODUCT & COMPANY IDENTIFICATION

Manufactured by: Timber Pro Coatings Ltd  
140 -12051 Horseshoe Way  
Richmond, B.C.  
V7A 4V4  
(604) 270-4244

**Product Name:** **Crystal Urethane**  
501 Satin M  
501 Satin  
502Semi Gloss  
503 Gloss

**Product Type :** Interior /Exterior urethane varnish  
**UN Number :** Not applicable  
**Product Class :** Protective / decorative coating  
**C.A.S. Number :** Mixture

### SECTION 02: HAZARDOUS INGREDIENTS

<u>Ingredients</u>	<u>CAS #</u>	<u>Content</u>	<u>LD50s and LC 50s Route and species</u>
N-methyl-2-pyrrolidone	872-50-4	2.5 –3%	LD50 Oral Acute: 3914mg/kg (Rat) LD50 Dermal Acute: 8000mg/kg (Rabbit)
Triethylamine	121-44-8	1%	LD 50 Oral Acute: 460mg/kg (Rat) LD50 Dermal Acute : 570mg/kg

### SECTION 03: PHYSICAL DATA

<b>Physical State</b>	Liquid
<b>Appearance</b>	Viscous opaque cream colored liquid
<b>Odor</b>	Slight ammonia odor
<b>Evaporation Rate</b>	Equals water
<b>Boiling Point</b>	100°C (212°F)
<b>Freezing Point</b>	0°C (32°F)
<b>Specific Gravity</b>	1.01
<b>Volatile %, max</b>	74 % by weight
<b>VOC, Max</b>	Satin M max 159g/l minus water Satin max 157g/l minus water Semi –Gloss max 154 g/l minus water Gloss max 153 g/l minus water

Crystal Urethane MSDS

CONTINUED

**SECTION 04: FIRE AND EXPLOSION HAZARD DATA****Flammability Class:** N/A      **Flash Point:** N/A      **LEL:** N/A**WHMIS Class**      Non-combustible liquid**Extinguishing Media:**

Foam, dry chemical, carbon dioxide or any Class B extinguishing agent. Water may be unsuitable as an extinguishing media, but helpful in keeping adjacent containers cool.

**Special Firefighting Procedures:**

Firefighters and others exposed to vapors or products of combustion should wear self-contained breathing apparatus.

**Unusual Fire & Explosion Hazards:**

Closed containers may rupture when exposed to extreme heat.

Air oxidation of this product may cause it to spontaneously ignite. **To avoid spontaneous combustion, soak soiled rags, spray booth filters and over spray wastes in a water-filled container.**

**SECTION 05: HEALTH HAZARD DATA****Skin Contact:** Repeated exposure and washing may irritate the skin.**Inhalation:** Excessive exposure to vapors or spray mists may cause irritation of the respiratory tract.**Eye Contact:** May cause upper respiratory irritation.**Carcinogenicity:** This material does not contain 0.1% or more of any substance which is listed as a carcinogen by NTP, TARC or OSHA.**First Aid:** Skin: Wash with soap and water immediately.

Eyes: Flush with large quantities of water for 15 minutes and seek medical attention.

Ingestion: If ingested get medical attention immediately.

**SECTION 06: REACTIVITY DATA****Chemical Stability:** Stable**Incompatibility:** Strong oxidizing agents**Reactivity Conditions:** Not reactive**Haz. Decomp Products:** Carbon Dioxide, Carbon Monoxide**SECTION 07: SPILL OR LEAK PROCEDURES**

**Leaks or spills:** Wear protective equipment during cleanup. Ventilate area. Keep spectators away. Floor may be slippery. Contain spill with inert material or absorbent such as sawdust vermiculite or sand. Do not allow material to enter drain or waterways.

**Waste Disposal:** Allow the absorbed material to dry and landfill the solids in accordance with current federal, state, provincial and local regulations.

**SECTION 08: SPECIAL PROTECTION INFORMATION**

**Clothing:** Long sleeved cover-alls, rubber gloves, goggles and safety shoes are recommended.

**Ventilation:** General ventilation is required during normal use. Local ventilation may be required during certain operations, which generate fumes or spray mists.

**Respiratory:** A canister type respirator may be necessary if spray mists or fumes are generated. A NIOSH approved organic vapour mask with a dust/mist pre-filter is recommended.

**SECTION 09: SPECIAL PRECAUTIONS****Precautions to be taken in handling and storing:**

Avoid prolonged or repeated inhalation of heated vapours or spray mists. Keep away from heat or open flame. Avoid all skin contact.

**Other Precautions: None known.**

**SECTION 10: SUPPLEMENTAL INFORMATION****Regulatory Information**

**TDG / DOT** Not regulated

**DSL / TSCA** All raw materials listed

**HMIS Rating:** Health = 1 Fire = 0 Reactivity = 0

**SARA & WHMIS Classification:** This material is not considered as a hazardous substance as defined by SARA Title 111 regulations (40 CFR 372 )

**SARA SECTION 313 LISTED INGREDIENTS:** This material does not contain any substance which is subject to the reporting requirements of 40 CFR 372

**CANADIAN WHMIS CLASSIFICATION:** Not WHMIS hazardous

**Storage & Shipping:** Keep from freezing.  
TDG Class: Not Regulated  
DOT: Not Regulated

**Disclaimer :** While Timber Pro Coatings believes the data contained herein are accurate and derived from qualified sources, the data are not to be taken as a warranty or representation for which Timber Pro Coatings assumes legal liability. They are offered solely for your consideration, investigation and verification. Any use of these data and information must be determined by the user to be in accordance with Federal, State and Provincial and local laws and regulations.

**PROCHAINEMENT**