

URETHANE COATINGS

POLYURETHANE SPECIALISTS SINCE 1979

TECHNICAL DATA SHEET



URETHANE COATINGS NATURAL DECKING OIL contains Tung Oil and Linseed Oil and has been developed to provide long lasting protection for exterior timber structures including; decking, outdoor furniture, unpainted weather boards, door jams, window frames, fences, steps and railings.

URETHANE COATINGS NATURAL DECKING OIL offers a low sheen, semi-transparent finish highlighting the natural features and grain of timber, and while protecting and extending the life of timber, weathers naturally without cracking and peeling.

Physical Description & Product Specification

		Natural Decking Oil
Appearance		Opaque liquid with mild solvent odour.
Colour		Milk chocolate brown.
Drying Time (hours) @ 25°C & 50% R.H.		Reduced temperature and/or increased humidity will slow drying (extend each drying phase).
	Dust Free	1.0
	Tack Free	1.5
	Print Free	1.75
	Hard Dry	2.0-2.5
Time between 1 st and 2 nd coats		Allow 12 to 24 hours.
Time between 2 nd and 3 rd coats		Allow 24 to 48 hours.
Sanding properties		Sanding IS Not required. If surface imperfections require sanding use 150 mesh screen back.
Full Cure (@ 25°C & 50% R.H.)	(Days)	7.
Reflectance	(%)	30-40
Viscosity @ 25°C	(seconds)	12-14
Solid Content	(%)	38 (±1)
Wet Film per coat	(mm)	0.100
Dry Film per coat	(mm)	0.038
Coverage	(m ² /Litre)	Soft wood, 8-10. Hardwood, 10-12.
Solubility		Not soluble in Water.
Specific Gravity (H ₂ O = 1):		0.880
Shelf life	(Months)	12.

PREPARATION:**General:**

- 1 Check that timber is adequately seasoned to prevent cracking and warping then using TIMBER CLEAN, thoroughly clean removing all dirt, mildew, wax, resin oils, and tannins.
2. Nail holes and surface defects should be filled.
3. Apply URETHANE COATINGS NATURAL DECKING OIL within 3 days of surface preparation to retain the natural timber colour, as timber weathering can result in loss of timber colour and contribute to reduced durability.

New Bare Timber:

Follow steps 1 to 3 above. If Timber is extremely oily or tannin rich, wash and scrub down with URETHANE COATINGS TIMBER CLEAN and rinse off with water. Lightly sand with #120 grit if necessary.

Previously Coated (Painted, Oiled or Stained) Timber:

Sand paint back to bare timber, finishing with # 120 grit and follow steps 1 to 3 above. If coated with URETHANE COATINGS NATURAL DECKING OIL, URETHANE COATINGS TIMBER STAINS. Wash and sand, removing all weathered NATURAL DECKING OIL and/or TIMBER STAIN, remove dust, and apply URETHANE COATINGS NATURAL DECKING OIL, following steps 1 to 3 above.

Weathered Timber:

Sand weathered timber back to fresh timber and follow steps 1 to 3 above.

Important Notice:

Frequently the head of decking timber fixings (rounded or rose headed twist shank nails and some screw types) are proud of the deck surface and therefore mechanical sanding is impractical. In these circumstances, an alternative to sanding is Urethane Coatings TIMBER CLEAN which has been developed to restore the natural colour of exterior timber by removing mould, mildew, dirt and tannin stains. TIMBER CLEAN is a mild acid solution, diluted with water and applied with a stiff bristle brush to scrub the surface of weathered and stained timber. Use a higher concentration of TIMBER CLEAN on stains that are particularly difficult to remove or if timber is badly weathered.

APPLICATION DATA:**Application orientation:**

For exterior timber structures including; decking, outdoor furniture, unpainted weather boards, door jams, window frames, fences, steps and railings.

Application Conditions:

Do not use NATURAL DECKING OIL at temperatures below 10°C or above 30°C.
Do not use NATURAL DECKING OIL if relative humidity is in excess of 85% AND/OR if the moisture content of timber is in excess of the Australian Standard (9 to 14%).

NATURAL DECKING OIL Preparation & Application:

Stir Urethane Coatings NATURAL DECKING OIL thoroughly before and during use. Apply by brush, roller or applicator, and wipe off any excess oil before becoming tacky (after 20 to 30 minutes). Allow the first coat to dry for 12 to 24 hours (@ 25°C & 50% R.H.). Apply the second coat and again wipe off any excess oil before becoming tacky (after 20 to 30 minutes). Allow the second coat to dry for 48 hours if applying a third coat. Use three coats for optimal performance.

Drying Time:

Print free; 1.75 hours, Hard dry 2.0 to 2.5 hours.

Allow 12 to 24 hours between 1st and 2nd coats and a further 48 hours between 2nd and 3rd coats.

Suitable for light foot traffic 48 hours after final coat. (Allow additional time between coats in conditions of reduced temperature and/or increased humidity).

All drying times are @ 25°C and 50% relative humidity. Reduced temperature and/or increased humidity can delay drying time (drying will require more time).

Coverage:

Softwood 8 to 10m² per Litre.

Hardwood 10 to 12m² per Litre.

Urethane Coatings recommend three thin coats in preference to two thicker coats.

Thinning:

NATURAL DECKING OIL does *NOT* require thinning.

Clean Up:

Thoroughly wash brush, roller and all associated equipment with Urethane Coatings MINERAL TURPENTINE or CLEANING SOLVENT and complete a final rinse with hot soapy water. Dry roller, brush and associated equipment before reusing.

Packaging:

NATURAL DECKING OIL is supplied in 4, 10 and 20 Litre drums.

Shelf Life:

NATURAL DECKING OIL is best if used within 12 months from manufacture, (refer to batch number on label), when stored in unopened containers under normal conditions of temperature and humidity. Keep containers closed when not in use.

Maintenance & Recoating:

As the timber begins to show signs of weathering [8 to 12 months subject to aspect and exposure] (dryness, change of colour, or reduced water repellency), recoat with up to two coats of URETHANE COATINGS NATURAL DECKING OIL applying as described under 'Preparation & Application'.

Health & Safety Directions:

For detailed Health and Safety information refer to the NATURAL DECKING OIL Safety Data Sheet (SDS) or visit; www.urethanecoatings.com.au

Use this material in well ventilated conditions. Prevent skin contact by wearing impervious gloves. Avoid breathing of vapour as it may cause lung irritation. May irritate skin and eyes. Keep containers firmly closed when not in use. In case of spillage absorb into dry sand or dirt then remove from work area and complete disposal in responsible manner.

Flammable:

NATURAL DECKING OIL contains volatile and flammable solvents and when applying the contents adequate ventilation to the outside must be provided. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing electrical switches, etc.) must be eliminated in or near the working area. DO NOT SMOKE. Keep Drum closed when not in use.

FIRST AID:**Eye Contact:**

Irrigate affected eye(s) with copious quantities of water for 15 minutes ensuring eyelids are held open. Seek medical advice if any pain or redness develops or persists.

Skin Contact:

Wash skin thoroughly with soap and water as soon as possible. Remove contaminated clothing and wash underlying skin. Launder clothing before re-use.

Inhalation:

Inhalation of mists, fumes or vapour may irritate the nose or throat. Remove from area of exposure to fresh air, taking care to use respiratory protection so as not to expose self to hazard. If effects persist obtain medical assistance.

Ingestion:

Rinse mouth with water. If swallowed, do NOT induce vomiting. Give glass of water. Seek immediate medical advice and/or call poisons information centre, (Australia: 13 1126).

Precautionary Statement:

First Aid is generally not required, treat symptomatically. If medical advice is needed, have product container or label at hand. Keep out of the reach of children. Read label before use.

Warranty:

Written claims to be made to seller within 7 days of goods received. Urethane Coatings (UC) warrants its' products to be free of defects in materials, and within their manufacturing specification but makes no warranty as to application and installation. As methods of application and on site conditions are beyond the manufacturers' control and can affect performance, UC makes no other warranty, expressed or implied, including warranties of merchantability and fitness for a particular purpose. Urethane Coatings' sole obligation shall be, at its option, to replace, or refund the purchase of the quantity of Coatings proved to be defective and UC shall not be liable for any loss or damage including incidental or consequential damages arising from the use of UC products.

PRODUCT IDENTIFICATION:

UN No.:	1263	D.G. Class:	3	CAS No.:	PROPRIETARY
HAZCHEM:	3[Y]	PACK. GRP.:	III		
Correct Shipping Name:	Paint.	Manufacturers MANCODE:			URECOAT

Notice to Readers:

Urethane Coatings make no representation as to the completeness and accuracy of the data contained in this Technical Data Sheet. It is the user's obligation to evaluate and use this data, and to comply with all relevant Commonwealth, State and Local Government laws and regulations. Urethane Coatings shall not be responsible for loss, damage or injury resulting from reliance upon or failure to adhere to any recommendations contained herein, from abnormal use of the material, or from any hazard inherent in the nature of the material.

End of Technical Data Sheet