



WOOD PRESERVATIVE



HIGH-PERFORMANCE OIL-BASED WOOD PRESERVATIVE

D791

BENEFITS

- **Proven protection** - CUTEK® Wood Preservative coated wood resists damage caused by fungal decay, mould, termites and moisture, improving dimensional stability and minimising warping, cupping and splitting.
- **Simple and easy to use** - No technical experience necessary
- **Maintenance is fast and simple** - No need to sand or strip, just simply clean and recoat
- **No flaking or peeling** - Instead, the coating is designed to fade with time
- **Cost effective** - Up to 2x the coverage rate of most wood coatings
- **Your timber is the star!** - Enhances the natural colour and grain of your timber
- **Sustainable choice** - Significantly extends the service life of timber
- **Long-term, accumulative protection** - Stays active inside your timber to protect from the inside out
- **CUTEK® cares** - We plant one tree for every can of CUTEK® Wood Preservative sold.

USES

For pre-treatment and remedial treatment of exterior wood in industrial and domestic situations by commercial operators only. CUTEK® Wood Preservative coated wood resists damage caused by fungal decay, mould and termites. CUTEK® Wood Preservative also protects exterior woods from moisture, improving dimensional stability and minimising warping, cupping, and splitting. Suitable for use on above ground wood structures.

APVMA APPROVAL No: 83026/131898

SITUATIONS	PEST	RATE OF COVERAGE	CRITICAL COMMENTS
Above ground wood structures such as the above ground components of: • fencing • pergola woods • decking • weatherboards • railings • outdoor furniture • engineered/laminated wood • thermally modified wood • log homes • joinery • shakes/shingles etc	<ul style="list-style-type: none"> • Fungal decay. • Subterranean Termites (Coptotermes acinaciformis) 	Apply evenly at the rate of 1 litre to 4-15 square metres of wood per coat depending on the wood species, porosity, moisture content and surface condition/roughness of the wood.	CUTEK® Wood Preservative must be able to penetrate deeply into the wood. Anything that might prevent penetration such as an existing coating, moisture or insufficient time between coats, must be avoided. All wood to be coated must have a moisture content of 17% or less. Use a brush, paint pad or roller to apply one coat of CUTEK® Wood Preservative to all faces of the wood prior to installing, with a second coat applied to the top surface once the first coat is completely dry. Spray application is not recommended. Wood must feel completely dry and non-greasy before application of the second coat. All cutting, drilling, moulding and planing should be done before treatment. Wood components should be treated before joining or fixing. IF YOU DO NOT WANT YOUR EXTERIOR EXPOSED WOOD TO SILVER OFF , then CUTEK® Colourtone must be added to CUTEK® Wood Preservative prior to application in order to retain the 'freshly oiled look' for longer. When adding CUTEK® Colourtone, ensure that coverage of CUTEK® Wood Preservative is maintained at the required rate. See Directions For Use for further information.

NOT TO BE USED FOR ANY PURPOSE OR IN ANY MANNER CONTRARY TO THESE INSTRUCTIONS UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.



SPECIFICATIONS

RESISTANCE GUIDE

WEATHERABILITY	CUTEK [®] Wood Preservative will gradually fade over time rather than peel, split or crack, so the rejuvenation of timber coated with CUTEK [®] Wood Preservative is a simple, fast and cost-effective process.
HEAT RESISTANCE	Up to 80°C dry heat.
CHEMICALS	Wood surfaces coated with CUTEK [®] Wood Preservative may show splash or spilling marks if contacted by chemically staining products such as wine, cleaner contaminated water, or strong chemicals. At risk areas include kitchens, bathrooms and spa and pool areas.
WATER	Very good resistance to fresh and salt water but not suitable for immersion.
ABRASION	Good when fully cured.

TYPICAL PROPERTIES AND APPLICATION DATA

CLASSIFICATION	Surface Applied Wood Preservative
FINISH	Matt/Low Sheen
COLOUR	Various by Colourtone
COMPONENTS	One
VOLUME SOLIDS	Not applicable
VOC LEVEL	~350 g/L ASTM3960
FLASH POINT	73°C ASTMD93
COLOURTONE	Use 36-72 ml/litre
THINNER	Do not thin
PACK SIZES	5L, 10L, 20L
PRODUCT CODE	D791

SPREADING RATE

NEW HARDWOODS DRESSED	10–20m ² /litre (400–800 sq feet/gallon)
OLD RESTORED TIMBER DRESSED	7–9m ² /litre (300–400 sq feet/gallon)
NEW TIMBER ROUGH SAWN	7–9m ² /litre (300–400 sq feet/gallon)
OLD RESTORED TIMBER ROUGH SAWN	4–7m ² /litre (180–300 sq feet/gallon)
SHINGLES AND SHAKES	4–5m ² /litre (84–212 sq feet/gallon)

NOTE: Practical spreading rates will vary depending on such factors as application method, ambient conditions and surface porosity and roughness.

CUTEK® WOOD PRESERVATIVE



SUBSTRATE GUIDE

This is a guide only and not to be used as a specification. Contact CUTEK® to discuss your specific project requirements.

SURFACE TYPE/ DESIRED EFFECT	SITUATION	PREPARATION	PROTECTION	ADD COLOURTONE? (Y/N)
Wood – new Retain freshly oiled look or alter the wood colour	Exterior	Clean with CUTEK® Restore if tannin/water/iron stained	Apply 2 coats of CUTEK® Wood Preservative	Y
		Otherwise clean with CUTEK® Quickclean		Y
Wood – new Stabilise & allow to naturally lighten/silver	Exterior	Clean with CUTEK® Restore if tannin/water/iron stained	Apply 2 coats of CUTEK® Wood Preservative	N
		Otherwise clean with CUTEK® Quickclean		N
Wood – old Previously coated with CUTEK® CD50, CUTEK® Extreme CD50, or CUTEK® Wood Preservative	Exterior	Clean with CUTEK® Restore if tannin/water/iron stained Otherwise clean with CUTEK® Quickclean	Apply 1 coat of CUTEK® Wood Preservative	Y
Wood – old Previously coated with film-forming coating	Exterior	Remove previous coating with CUTEK® Wood Stripper	Apply 2 coats of CUTEK® Wood Preservative	Y
		Then clean with CUTEK® Restore		Y
Wood – old Previously uncoated & wish to stabilise and allow to naturally lighten/silver	Exterior	Restore with CUTEK® Restore	Apply 2 coats of CUTEK® Wood Preservative	N
				N
Wood – old Previously uncoated & wish to retain freshly oiled look or alter the wood colour	Exterior	Restore with CUTEK® Restore	Apply 2 coats of CUTEK® Wood Preservative	Y
				Y

CUTEK[®]

WOOD PRESERVATIVE



DIRECTIONS FOR USE

APPLICATION

APPLICATION PRECAUTIONS

Full list of application precautions is available on website at www.cutek.com.au, or by checking with customer services on 1300 128835.

DO NOT USE on surfaces which come into direct contact with foodstuffs, e.g. packing cases or places where food is prepared or stored.

DO NOT USE on surfaces which come into direct contact with the ground.

BEFORE YOU GET STARTED

Before you begin, note the hazards and precautions on the CUTEK[®] website and the can labelling, and ensure that you use the correct safety equipment as detailed in the Safety Data Sheet.

STEP BY STEP APPLICATION PROCESS:

Avoid contact with plants, shrubs, trees and waterways. For best results, one coat of CUTEK[®] Wood Preservative should be applied to all faces of the wood prior to installing, with a second coat applied to the top surface once the first coat is completely dry. Penetration time varies significantly, depending on species, temperature, porosity, and moisture content of the wood. Thicker sections such as post, beams and logs will require additional coats, as CUTEK[®] Wood Preservative has a cumulative effect in the wood.

All cutting, drilling, moulding and planing should be done before treatment. Wood components should be treated before joining or fixing.

Apply each coat evenly with brush, paint pad or roller. When using CUTEK[®] Colourtone it is essential that the container holding the oil be stirred frequently both before and during use. Two or three thin coats on finished wood and hardwoods are better than one or two thick coats.

Wood must feel completely dry and non-greasy before application of the second coat.

RE-ENTRY: Do not handle treated timber until the product solution has dried. If prior handling is required, wear elbow-length chemical resistant gloves.

PROTECTION OF WILDLIFE, FISH, CRUSTACEA AND THE ENVIRONMENT: Toxic to fish and aquatic invertebrates. DO NOT contaminate streams, rivers or waterways with the chemical or used container.

CLEANUP

Equipment may be cleaned with soap and water or turps. Oily rags and other oily materials may cause combustion fires. Immediately after use you MUST spread out all oily materials outside to dry, by flattening them out to their full size in an airy spot at temperatures above 4 degrees Celsius, or wash them thoroughly with water and detergent and rinse. Remove all oil from all clothes, tools, rags and any other materials contacted during use or as a result of an accidental spill. All wash water is to be disposed of properly.

CUTEK® WOOD PRESERVATIVE



MAINTENANCE

With CUTEK®, maintenance is simple, fast, and cost effective. CUTEK® Wood Preservative will not crack, peel or split, and your wood can be easily rejuvenated or restored using our Prepare and Protect system - no need to sand or strip.

CUTEK® Wood Preservative should be re-applied when the wood is no longer beading water, or as frequently as necessary to retain the natural beauty and colour of the wood.

Typically, horizontal exterior wood surfaces exposed to full weather such as pool decks and handrails will require re-coating more frequently (initially after 6 months, then annually), while other surfaces such as vertical rough-sawn cladding will need recoating less often.

IMPORTANT INFORMATION

CUTEK® Wood Preservative is a high-performance, oil-based wood stabiliser. It has been designed to protect timber from the inside out while allowing it to gradually fade over time without peeling, cracking or splitting. CUTEK® Wood Preservative will penetrate and diffuse deeply into your timber to repel moisture, enhance dimensional stability and improve service life. Anything that might prevent this penetration/diffusion, such as an existing coating (not CUTEK® oil), retained moisture, or insufficient time between coats, must be avoided or corrected before applying CUTEK® Wood Preservative.

CUTEK® Wood Preservative penetration/diffusion times can vary significantly depending on the species, ambient temperature, porosity, density, weather exposure and moisture content of the timber. Because of the wide range of applications possible for CUTEK® Wood Preservative and different factors affecting penetration/diffusion time, it is vital that the end user determine the suitability of CUTEK® Wood Preservative for their specific project by testing a sample area first, especially if speed of drying is important for a project.

CUTEK® Wood Preservative is not suitable for use on food preparation surfaces.

When using CUTEK® Wood Preservative, you should avoid:

- **Wet wood, or wood with a high moisture content:** Your wood should contain a maximum moisture content of 17% as anything higher can significantly delay the penetration process. If this happens, CUTEK® Wood Preservative may sit on the surface and eventually go tacky without diffusing properly into the timber.
- **Cold weather:** In cold weather, CUTEK® Wood Preservative will become thicker and too much oil may be applied as a result. Warm the oil by placing in a sunny/warm spot before application to make it thinner and enhance penetration.
- **Too many coats too soon:** CUTEK® Wood Preservative needs to completely diffuse and dry fully before the next coat is applied. Your wood should be completely dry and non-greasy before recoating.
- **Existing oil, stain or paint coating on the surface of the wood:** Existing film coats may act as a barrier to CUTEK® Wood Preservative penetration/diffusion. CUTEK® Wood Preservative must be applied to clean, bare and dry timber, and previous coatings must be properly removed PRIOR to application of CUTEK® Wood Preservative.

Disclaimer

CUTEK® will not accept liability for:

- the application of incorrect colour to any substrate for any reason
- the application of CUTEK® Wood Preservative to wood with a moisture content greater than 17%
- the application of CUTEK® Wood Preservative to any substrate with a pre-existing coating

CUTEK® Wood Preservative contains a small amount of copper salts that may impart a faint green hue on some very light or white coloured timbers. This is more likely to occur in internal applications or in areas not exposed to UV light. Some commonly used light coloured timber species used internally where this may be an issue are Hoop Pine, Hemlock, Tasmanian Oak and Victorian Ash (list not exhaustive). We have a copper-free product called CUTEK® Euro (available by special order) which is extensively used as an alternative to CUTEK® Extreme CD50 in these instances.

CUTEK® WOOD PRESERVATIVE



UNDERSTANDING CUTEK® COLOURTONES

Un-tinted CUTEK® Wood Preservative will quickly lighten/silver/grey with exposure to sunlight. Unless you want a clear finish that will naturally lighten/silver/grey off in a few months, it is important to mix in 1 CUTEK® Colourtone for every 5 litres of CUTEK® Wood Preservative. Adding CUTEK® Colourtones will provide UV colour protection and slows the lightening/silvering process.

NOTE: CUTEK® Wood Preservative diffuses deeply into the timber and will continue to provide moisture protection and improve dimensional stability even if CUTEK® Colourtones are not added and the wood becomes weathered and greyed.

To maintain the timber's natural colour for longer, choose a CUTEK® Colourtone similar to the natural colour of your timber. Suggested CUTEK® Colourtones that match the natural hue of the timber can be found on our website: www.cutek.com.au

Colourtones can also help alter timber colour if required (e.g. make timber look lighter or darker than its natural state). Order a free CUTEK® Colourtone Sample Testpot from our website or local stockist to test if the chosen Colourtone is appropriate.

NOTE: CUTEK® is unable to offer any specific performance warranties in relation to colour retention for CUTEK® products because of many variables related to the weathering process including but not limited to: the age and porosity of the wood, species, situation, design and structure, aspect, differing exposure to the weather and adequacy of preparation.

STORAGE & SAFETY

SAFETY Read Data Sheet, **SAFETY DATA SHEET** and any precautions on container labels.

STORAGE This product is NOT classified as dangerous goods for storage and road and rail transport under ADG code Special Provision AU01 exemption in Australia. Store in well ventilated bunded area under cover and away from sources of heat. Keep containers closed at all times.

HANDLING As with any chemical, ingestion, inhalation or contact with eyes and skin should be avoided by good occupational work practice. Eye protection approved to AS1337 and skin protection approved to AS2161 should be worn where there is a risk of splashes entering the eyes or contacting the skin. Always wash hands before smoking, eating, drinking or using the toilet.

USING AVOID aerosolisation. Use with good ventilation and avoid inhalation of spray mists and fumes. If risk of inhalation of spray mists exists, wear combined organic vapour/particulate respirator.

FLAMMABILITY This product is a combustible liquid. On burning will emit toxic fumes.

COMPANY INFORMATION

Chemisys CUTEK® Pty Ltd
A.C.N. 610 127 654
PO Box 3604
Loganholme QLD 4129
Australia

The data presented in this medium and any advice, recommendation, information, assistance or service provided by Chemisys in relation to goods manufactured by it or their use and application is given in good faith and is believed by Chemisys to be appropriate and reliable. However, any advice, recommendation, information, assistance or service provided by Chemisys does not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this medium should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The information provided by us does not absolve the user from determining suitability of the product for their own purpose. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose.