# CUTEK® EXTREME

## HIGH-PERFORMANCE OIL-BASED WOOD STABILIZER




## BENEFITS

- **Stabilizes your wood** - Significantly reducing splitting, warping and cupping with a self-healing action
- **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 wood is the star!** - Enhances the natural colour and grain of your wood
- **Sustainable choice** - Significantly extends the service life of wood
- **Long-term, cumulative protection** - Stays active inside your wood to protect from the inside out
- **Apply before or after install** – no waiting for wood to weather and moisture won't enter through cuts or fasteners
- **CUTEK® cares** - We plant one tree for every can of CUTEK® Extreme sold
- **Suitable for all types of wood** - including engineered wood and some bamboo.

## USES

CUTEK® Extreme is a high-performance oil-based wood stabilizer that highlights the natural beauty of wood and extends service life.

CUTEK® Extreme is simple to apply, easy to maintain, and cost effective. See the factsheet and Directions for Use for more information.

CUTEK® Extreme clear oil will allow the wood to naturally lighten/silver with exposure to sunlight and UV.
CUTEK® Colourtones can be used to slow the silvering process and maintain the natural look of the wood for longer or change the colour to help meet project design aesthetics.

CUTEK® Extreme is suitable for use on weatherboards, shingles, doors, plywood, log buildings, beams, outdoor furniture, decks, fascia boards, shutters, garage doors, joinery, hot tubs, fences, posts, engineered products and in biologically challenging environments.

CUTEK® Extreme is NOT suitable for use on acetylated wood.

## SPECIFICATIONS

### RESISTANCE GUIDE

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| WEATHERABILITY | CUTEK® Extreme will gradually fade over time rather than peel, split or crack, so the rejuvenation of wood coated with CUTEK® Extreme is a simple fast and cost-effective process. |
| HEAT RESISTANCE | Up to 80°C (176°F) dry heat. |
| CHEMICALS | Wood surfaces coated with CUTEK® Extreme 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 hot tub 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

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| CLASSIFICATION | Penetrating Wood Stabilizer |
| FINISH | Matt/Low Sheen |
| COLOUR | 18 different colours available (custom colours available on demand) |
| COMPONENTS | One |
| VOLUME SOLIDS | Not applicable |
| VOC LEVEL | ≈215g/L (1.79lb/gal) ASTM 3960 |
| FLASH POINT | 73°C (163°F) ASTM D93 |
| VISCOSITY | ≈24cSt |
| COLOURTONE | Use 90mL per 3.6L (3 fl oz per 0.95 gal) |
| THINNER | Do not thin |
| PACK SIZES | 3.6L (0.95 gal) and 18.9L (5 gal) |

## COVERAGE GUIDE

These figures represent typical averages for common decking and cladding species and are to be used as a guideline only.

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| New woods, dressed | 10-20 $m^2$/L 400-800 $ft^2$/gal |
| Old restored wood, dressed | 6-8.5 $m^2$/L 250-350 $ft^2$/gal |
| New wood, rough sawn | 6-7.5 $m^2$/L 250-300 $ft^2$/gal |
| Old restored wood, rough sawn | 3.5-6 $m^2$/L 150-250 $ft^2$/gal |
| Shingles and shakes | 2-5 $m^2$/L 84-212 $ft^2$/gal |

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

CUTEK®
EXTREME




## PREPARATION AND PROTECTION GUIDELINE

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

| WOOD CONDITION/ DESIRED EFFECT | SITUATION | PREPARATION | PROTECTION | ADD CUTEK® COLOURTONE? (Y/N) |
|---|---|---|---|---|
| **NEW Wood**<br>Retain freshly oiled look or alter the wood colour | Exterior | Clean with CUTEK® Wood Reviver if tannin/water/iron stained<br>Otherwise clean with CUTEK® Quickclean | Apply 2 coats of CUTEK® Extreme | Y |
| **NEW Wood**<br>Stabilize & allow to naturally lighten/silver | Exterior | Clean with CUTEK® Wood Reviver if tannin/water/iron stained otherwise clean with CUTEK® Quickclean | Apply 2 coats of CUTEK® Extreme | N |
| **OLD WOOD - Previously Coated in CUTEK® Extreme**<br>Retain freshly oiled look or alter the wood colour | Exterior | Clean with CUTEK® Wood Reviver if maintenance has been neglected and wood is greyed, heavily stained or has an excessive build-up of CUTEK® Colourtone.<br>Otherwise clean with CUTEK® Quickclean. | Apply 1 coat of CUTEK® Extreme | Y |
| **OLD WOOD - Previously Coated in CUTEK® Extreme**<br>Stabilize & allow to naturally lighten/silver | Exterior | Prepare for maintenance by cleaning with CUTEK® Quickclean.<br>Clean with CUTEK® Wood Reviver if maintenance has been neglected and wood is heavily stained or you would like to revive the original colour. | Apply 1 coat of CUTEK® Extreme | N |
| **OLD WOOD - Previously coated with film forming coating**<br>Retain freshly oiled look or alter the wood colour | Exterior | Remove previous coating with CUTEK® Wood Stripper then clean with CUTEK® Wood Reviver | Apply 2 coats of CUTEK® Extreme | Y |
| **OLD WOOD - Previously coated with film forming coating**<br>Stabilize & allow to naturally lighten/silver | Exterior | Remove previous coating with CUTEK® Wood Stripper then clean with CUTEK® Wood Reviver | Apply 2 coats of CUTEK® Extreme | N |
| **OLD WOOD - Previously uncoated**<br>Retain freshly oiled look or alter the wood colour | Exterior | Clean with CUTEK® Wood Reviver to restore original colour, and remove stains. | Apply 2 coats of CUTEK® Extreme | Y |
| **OLD WOOD - Previously uncoated**<br>Stabilize & allow to naturally lighten/silver | Exterior | Clean with CUTEK® Wood Reviver if tannin/water/iron stained otherwise clean with CUTEK® Quickclean | Apply 2 coats of CUTEK® Extreme | N |




## DIRECTIONS FOR USE

### APPLICATION

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| APPLICATION PRECAUTIONS | **Before you get started:** 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.<br>Full list of application precautions is available on our website at www.cutekstain.com, or by checking with customer service on 1-844-442-8835.<br>DO NOT SWALLOW.<br>DO NOT USE on surfaces which come into direct contact with foodstuffs.<br>DO NOT USE on surfaces which come into direct contact with the ground. |
| STEP BY STEP APPLICATION PROCESS | **Before you protect:** It is very important that wood is clean, non-greasy and dry (moisture content of less than 17%) prior to coating with CUTEK® Extreme. Refer to the factsheet and can label for directions on how to prepare wood for coating with CUTEK® Extreme.<br>**Weather:** Once applied, CUTEK® Extreme generally requires 2-3 days of dry conditions after coating to facilitate full penetration/diffusion (drying) and an even colour finish.<br>**Colourtone:** Unless a clear finish that will naturally lighten/silver/grey off with exposure to the elements is desired, it is important to mix in 1 CUTEK® Colourtone per 3.6 litre (0.95 gal) of CUTEK® Extreme before use.<br>**Application:** Stir the CUTEK® Extreme oil thoroughly (with the added CUTEK® Colourtone if desired) before and during use. Make sure to stir from the bottom of the can to ensure active ingredients are properly mixed throughout the oil.<br>Apply thin, even coats with a brush or paint pad. CUTEK® Extreme works best when applied as a THIN COAT - two or three thin coats on finished wood are much better than one or two thick coats.<br>For best results, ONE coat of CUTEK® Extreme 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 has completely penetrated/diffused (dried). If applying post-construction, apply two thin coats to all accessible wood surfaces, ensuring the first coat has completely penetrated/diffused (dried) before applying the second coat.<br>**Drying time:** Unlike traditional wood coatings, CUTEK® Extreme needs to penetrate/diffuse deeply into your wood. This penetration/diffusion (drying) process varies in time for many reasons including differences in wood type (species, density, porosity, age and residual moisture content) as well as environmental factors (temperature, humidity, weather).<br>The wood is ready for the second coat of CUTEK® Extreme when it is completely dry and non-greasy. The second coat of CUTEK® Extreme will take longer to migrate into your wood than the first coat.<br>**Clean-up:** Equipment (including brushes) may be cleaned with mineral spirits or soap and water. If not correctly cleaned or disposed of, oily rags and other oily materials may cause combustion fires. After use you MUST immediately spread out all oily material outside to dry, by flattening them out to their full size in an airy spot at temperatures above 4 degrees Celsius (39°F), 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. Ensure wash water is disposed in accordance with local regulations. |




## MAINTENANCE

With CUTEK®, maintenance is simple, fast, and cost effective. CUTEK® Extreme 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® Extreme should be reapplied when the wood is no longer beading water, or as frequently as necessary to retain the natural beauty and colour of the wood or refresh your chosen CUTEK® Colortone.

Typically, horizontal exterior wood surfaces exposed to full weather such as pool decks and handrails will require recoating more frequently (initially after 6-12 months), while other surfaces such as vertical rough-sawn cladding will need recoating less often.

## IMPORTANT INFORMATION

CUTEK® Extreme is a high-performance, oil-based wood stabilizer. It has been designed to protect wood from the inside out while allowing it to gradually fade over time without peeling, cracking or splitting. CUTEK® Extreme will penetrate and diffuse deeply into your wood 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® Extreme.

CUTEK® EXTREME penetration/diffusion times can vary significantly depending on ambient temperature and weather exposure, as well as species, porosity, density and moisture content of your wood. Because of the wide range of applications possible for CUTEK® Extreme and different factors affecting penetration/diffusion (drying) time, it is vital that the end user determine the suitability of CUTEK® Extreme for their specific project by testing a sample area first, especially if speed of drying is important for a project. CUTEK® Extreme is not suitable for use on food preparation surfaces.

When using CUTEK® Extreme, 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® Extreme may sit on the surface and eventually go tacky without diffusing properly into the wood.
- Cold weather: In cold weather, CUTEK® Extreme 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® Extreme 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® Extreme penetration/diffusion. CUTEK® Extreme must be applied to clean, bare and dry wood, and previous coatings must be properly removed PRIOR to application of CUTEK® Extreme.

**Disclaimer**

CUTEK® will not accept liability for:

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




## UNDERSTANDING CUTEK® COLOURTONES

It's important to understand that CUTEK® Extreme is a unique penetrating oil designed to enhance the natural colour and grain of wood. CUTEK® Extreme is sold as a clear oil which can be used to protect the wood from moisture and moisture related damage such as cupping, warping and splitting. Using just the clear oil will protect the wood, providing stability and structural integrity while allowing it to naturally lighten to produce a silver weathered patina over time. The soft natural lightening and silvering of the wood represents a low care option and is becoming an increasingly popular way to leave wood in weather exposed settings.

Wood projects using clear CUTEK® Extreme oil that have silvered can easily be returned back to the wood's original colour using CUTEK® Wood Reviver and high pressure washing followed by further applications of CUTEK® Extreme clear oil.

However, if you desire to maintain the original colour of the 'freshly oiled' wood then you need to purchase a CUTEK® Colourtone to add to clear CUTEK® Extreme. It is important that the Colourtone that you choose is suited to your selected wood as it should further enhance the natural colour and grain and help to maintain its "natural" colour over a longer period of time.

## STORAGE & SAFETY

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| SAFETY | **Read the 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 in accordance with the Transportation of Dangerous Goods (TDG) in Canada. 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 CAN/CSA Z94.3-15 and impervious rubber gloves 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 | 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. |

## CANADIAN LICENCE HOLDER

**Deck Source Inc.**
22 Winstar Rd, Unit 1
Oro-Medonte, ON, L0L 2L0

**Contact:**
1-844-442-8835

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