CUTEK® EXTREME

HIGH PERFORMANCE WOOD OIL FOR ALL EXTERIOR APPLICATIONS



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

CUTEK® Extreme penetrates deeply into wood to control moisture, and minimize warping, cupping and splitting. Protecting from the inside out, CUTEK® Extreme will not flake or peel and maintenance is fast and simple – no need to sand or strip.

CUTEK® Extreme is a high-performance, oil-based wood stabilizer. Diffusing in the wood, the protective properties of CUTEK® Extreme will migrate to perforated, cut or damaged areas to fight against the damaging effects of moisture.

Penetrating deeply into wood, CUTEK® Extreme highlights the natural grain and beauty of wood while providing robust and long-lasting protection. CUTEK® Extreme will not flake or peel and maintenance is fast and simple – there's no need to sand or strip.

CUTEK® Extreme is made to protect wood in the harshest Canadian conditions. CUTEK® Extreme diffuses throughout wood to control liquid and gas phase moisture to minimize warping, cupping and splitting. By improving the dimensional stability of wood, CUTEK® Extreme improves the service life of your wood.

CUTEK® Extreme enhances the natural beauty, grain and texture of wood. Applied as a clear oil, CUTEK® Extreme will allow wood to naturally silver over time. Mixing in one of our CUTEK® Colourtones will help to enhance and maintain the freshly oiled natural look of your wood or alter your wood colour to meet your design requirements.

CUTEK®
EXTREME

WHY CUTEK® EXTREME?

- **Stabilizes your wood** - Significantly reducing splitting, warping and cupping with a unique self-healing effect
- **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
- **CUTEK® cares** - We plant one tree for every can of CUTEK® Extreme sold.

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 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 your 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. To test: press a tissue or rag on the wood and if there is no transfer it is dry.
- **Existing oil, stain or paint coating on the surface of your 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 is important to understand that CUTEK® Extreme is a 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 movement 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 the 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.

What to expect when using CUTEK® Colourtones

Most wood care products on the market leave a buildup of material on the surface of the wood. In the short term this provides more colour, but in the long term the finish can be prone to peeling and flaking, which requires time and money to repair.

The CUTEK® system is unique because colour is designed to fade, ware, or erode over time and with use rather than peel or flake. New smooth wood that is exposed fully to the weather will lighten faster after installation than older, rougher woods over the same time period.
A follow up application of CUTEK® Extreme Colourtoned oil after the initial weathering period will provide much greater Colourtone intensity and durability as the wood becomes rougher and more absorbent of pigment over time.

How to increase colour intensity on new wood

New wood is milled smooth and often has a mill glaze which will greatly restrict the initial colour adhesion of any pigment. Better results can be achieved by creating a rougher surface and preparing the wood using CUTEK® Wood Reviver in combination with a high-pressure washer. Sanding the new wood with 80 grit paper will give even better results as it removes mill glaze and creates a much rougher surface which will enable greater colour intensity. Note: The rougher the surface of the wood, the greater the colour intensity and durability. Rough sawn or heavy brushed wood profiles will take more oil and colour so much bolder colour contrast can be achieved. The amount of mill glaze, if any, that is present on any job can vary significantly depending on species density, and machining method used. Note: Sanded surfaces should be vacuumed or washed thoroughly to remove all loose wood and dust.

CUTEK® EXTREME

CUTEK® COLOURTONES:



BARK | ESPRESSO | PECAN | WALNUT | AUTUMNTONE | CEDARTONE

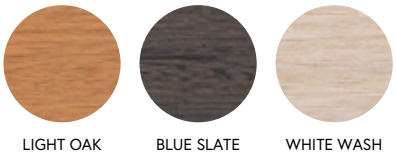


GOLDTONE | HONEYCOMB | RUSTIC GOLD | BLACK ASH | GRAPHITE GREY | SMOKEY GREY

SPECIAL ORDER:



ASHWOOD | BURNT RED | TERRA COTTA



LIGHT OAK | BLUE SLATE | WHITE WASH

Note: These colours are an indication only. Colour may vary depending on many factors including application and the condition and species of wood.

DIRECTIONS FOR USE

WHAT YOU WILL NEED



Paint tray/pot | Brush or paint pad | Drop sheets and rags | Paint stirrer | CUTEK® Quickclean, mineral spirits or soap | Safety equipment

SAFETY AND PRECAUTIONS

Before you begin to Prepare and Protect your wood, note the hazards and precautions on the product label and ensure that you have obtained and know how to use the correct safety equipment. CUTEK® Extreme is a hazardous chemical. It is important to refer to the health and safety considerations listed in the Safety Data Sheet (SDS) prior to starting your project. When using CUTEK® Extreme all adjacent surfaces and vegetation must be adequately protected. A full list of precautions and the SDS is available at www.cutekstain.com.

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

For wood substrates only.

CUTEK® EXTREME

COVERAGE GUIDE

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

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

STEP 1 ▸ PREPARE

Before using CUTEK® Extreme, ensure the wood to be coated is clean, non-greasy and dry (moisture content must be less than 17%). You must appropriately prepare your wood BEFORE applying CUTEK® Extreme.

If you have… NEW WOOD:

Your wood must be bare, clean and dry before applying CUTEK® Extreme. If your wood presents with surface contaminants such as stains caused by water, iron, or tannins, or has mill glaze, we recommend using CUTEK® Wood Reviver prior to application of CUTEK® Extreme.

If you have… OLD, GREYED OR WEATHERED UNCOATED WOOD:

Old, dirty, stained or grey weathered wood should be prepared and restored by first applying CUTEK® Wood Reviver which will remove the grey and reinstate the original natural colour, grain and beauty of your wood prior to application of CUTEK® Extreme.

If you have… WOOD PREVIOUSLY COATED WITH A NON-CUTEK® COATING:

CUTEK® Extreme must be applied to bare wood. This allows the CUTEK® oil to freely penetrate/diffuse into your wood. Wood previously coated with a film forming product such as stains, linseed oil, paint, polyurethane, water-based oils, etc. can inhibit this penetration/diffusion and must be removed first with CUTEK® Wood Stripper and CUTEK® Wood Reviver prior to the application of CUTEK® Extreme. In some circumstances complete removal of previous coatings by machine sanding/abrasion can also be a suitable preparation method.

If you have… WOOD PREVIOUSLY COATED IN CUTEK® Extreme:

Prepare for a maintenance recoat of CUTEK® Extreme by using CUTEK® Quickclean to remove grease, grime and other dirt from your wood. If maintenance has been neglected for a long period of time and the wood has either greyed, become heavily stained by tannins or iron, or if there is an excessive build-up of CUTEK® Colourtone, use CUTEK® Wood Reviver to refresh your wood prior to recoating.

STEP 2 ▸ PROTECT

BEFORE YOU PROTECT: After preparing your wood, it will need to be completely dry prior to coating with CUTEK® Extreme. **It is very important that your wood is clean, non-greasy and dry with a moisture content of less than 17%.**

WEATHER: Once applied, CUTEK® Extreme generally requires 3-5 days of warm, dry and sunny conditions to facilitate full penetration/diffusion (dried) and an even colour finish; check your weather forecast before applying.

CUTEK® COLOURTONE: Clear, un-tinted CUTEK® Extreme will allow your wood to naturally lighten/silver/grey when exposed to sunlight while retaining its protective characteristics. Unless you want a clear finish that will naturally lighten/silver/grey off, it is important to mix in 1 CUTEK® Colourtone per 3.6L (0.95 US gal) of CUTEK® Extreme before use.

APPLICATION: Stir the CUTEK® Extreme oil thoroughly (with the added CUTEK® Colourtone if desired) before and during use. Make sure you stir from the bottom of the can to ensure active ingredients are properly mixed throughout the oil.

Apply thin, even coats with a brush or paint pad applicator. TIP: 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.

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, after installation, 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.

DRYING TIME: Unlike traditional wood coatings, CUTEK® Extreme needs to penetrate/diffuse deeply into your wood. After coating, CUTEK® Extreme will slowly migrate into your wood to repel moisture, improve dimensional stability and extend the service life of your wood. This penetration/diffusion (drying) process varies in time for many reasons including differences in wood type (species, density, porosity, age of wood and residual moisture content) as well as environmental factors (temperature, humidity, weather).

Sometimes this drying process can take several days to complete. You will know when your wood is ready for the second coat of CUTEK® Extreme when it is completely dry and non-greasy. To test: press a tissue or rag on the wood and if there is no transfer it is dry. Please note the second coat of CUTEK® Extreme will take longer to migrate into your wood than the first coat.

CLEAN-UP: Equipment (including brushes) may be cleaned with CUTEK® Quickclean, 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 a temperature above 4°C (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 of 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 revived 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® Colourtone.

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

For other hints, pro-tips and videos on how to use CUTEK® Prepare and Protect products, visit the CUTEK® website: cutekstain.com