FACTSHEET No 2  CUTEK® EXTREME

CUTEK® EXTREME
Advanced Wood Protection

- Protects from the effects of moisture – minimises warping, cupping and splitting
- Protects from the inside out
- The right choice for all exterior wood species and most engineered wood products

When you need a professional grade finish choose CUTEK® EXTREME. This high performing wood protection oil has been formulated by experts to control moisture and minimise warping, cupping and splitting - making your project last longer.

It helps wood resist water from the inside out, so it’s perfect for outdoor applications on natural, thermally modified, and most engineered wood. It is strong enough to stand up to North America’s most challenging climates.

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

CUTEK® EXTREME has a cumulative effect. The oil used with each application will stay in the wood, continuing to penetrate and diffuse deeper into the wood. 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.

CUTEK® EXTREME comes as a clear oil which allows the wood to fade in the sun to a natural silver patina. It may also be mixed with any of our Colourtones to enhance and maintain the freshly oiled natural look of the wood. (Refer to Factsheet No3 CUTEK® Colourtones for more information)

Coverage

These figures represent typical averages for common decking and cladding such as Western Red Cedar, Pine, Ipe, Tiger deck, Cumaru and other Exotics, Thermally modified wood, etc.

<table>
<thead>
<tr>
<th>Material Type</th>
<th>Coverage Range</th>
<th>Coverage Range</th>
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</thead>
<tbody>
<tr>
<td>New hardwoods dressed</td>
<td>10–20m²/litre</td>
<td>400–800sq feet/gallon</td>
</tr>
<tr>
<td>Old restored wood dressed</td>
<td>7–9m²/litre</td>
<td>300–400sq feet/gallon</td>
</tr>
<tr>
<td>New wood rough or band sawn</td>
<td>7–9m²/litre</td>
<td>300–400sq feet/gallon</td>
</tr>
<tr>
<td>Old restored wood rough or band sawn</td>
<td>4–7m²/litre</td>
<td>180–300sq feet/gallon</td>
</tr>
<tr>
<td>Shingles and shakes</td>
<td>2–5m²/litre</td>
<td>84–212sq feet/gallon</td>
</tr>
</tbody>
</table>
Understanding CUTEK® EXTREME and Colourtones

It’s important to understand that CUTEK® EXTREME is a unique penetrating oil system 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 that have been protected using clear CUTEK® EXTREME and have silvered can easily be returned back to the original colour using CUTEK® ProClean (refer to Factsheet No6 CUTEK® ProClean) followed by a further application of clear CUTEK® EXTREME.

However, if the desire is to maintain the original colour of the wood then it is necessary to purchase a CUTEK® Colourtone suited to the selected wood which will further enhance the natural colour and grain and help to maintain its “natural” colour over a longer period of time (refer to Factsheet No3 CUTEK® Colourtones).

Before you apply

Before you begin, note the hazards and precautions on the product label and on our website at www.cutekstain.com, and ensure that you use the correct safety equipment as detailed in the Safety Data Sheet.

Surface preparation is essential

Before using CUTEK® EXTREME, it is vital to ensure the wood is clean, dry (moisture content less than 17%) and has no existing paint, oil or stain coating.

In order for CUTEK® EXTREME to function properly it is essential that it diffuses deeply into the wood. Anything that might prevent penetration such as an existing coating, retained moisture, or not leaving sufficient time between applications must be avoided or corrected.

Preparation may involve a thorough sanding or stripping to completely remove any previous film forming coating. If stripping is required, we recommend using CUTEK® CD33 Naked and CUTEK® ProClean to prepare the surface for CUTEK® EXTREME.

Application Temperature

Unlike most other coatings, applying CUTEK® EXTREME in direct sunlight and hot temperatures works best.

As temperatures get colder the time for the oil to absorb will take longer. CUTEK® EXTREME can be applied at temperatures as low as 5 degrees Celsius or 40 degrees Fahrenheit but it will take longer for penetration to occur and the oil to fully dry.

Make sure the wood is prepared before applying CUTEK® EXTREME in order to get the best results.
How to Apply

Surface Preparation

New Wood
Wood does not need to weather before using CUTEK® EXTREME. Ensure the wood is clean and dry. New bare wood can be cleaned with CUTEK® QuickClean, if required. CUTEK® EXTREME can be used on CCA, ACQ, and other treated wood, however, wood pre-treated with wax and polymer processes, such as LOSP, may require cleaning first with CUTEK® ProClean and/or a thorough sanding.

Old or Previously Coated Wood
The results achieved from restoration are dramatic and rewarding - the original natural colour and beauty of wood can be restored.

Old, dirty, stained or weathered wood should be prepared by using CUTEK® QuickClean for powerful cleaning and degreasing, or CUTEK® ProClean for restoring silver/greyed wood, or removing stubborn marks, (refer to Factsheets No5 CUTEK® QuickClean and No6 CUTEK® ProClean).

Wood previously coated with a film forming product such as paint, stains, polyurethane, linseed oil, etc., must first be restored back to the bare wood. Use CUTEK® CD33 Naked paint stripper, followed with CUTEK® ProClean to assist in removing stubborn marks and neutralizing any chemical residue that may be left on the wood, prior to the application of CUTEK® EXTREME. This process can be complex, refer to the Important Information: Removing Film Coats page, and view the videos on www.cutekstain.com for more information.

Once the wood is thoroughly cleaned and/or restored, and dry, two applications of CUTEK® EXTREME is recommended.

Application

Avoid contact with plants, shrubs, trees and waterways.

Apply very thinly using a brush, exterior stain pad, or a low pressure sprayer - it is essential to not atomize the oil.

When using a Colourtone it is essential to stir the Colourtoned oil thoroughly from the bottom before and frequently during use.

The wood must feel completely dry and non-greasy between applications or it will delay the penetration and drying of the oil.

CUTEK® EXTREME may be applied at any time of day - generally the hotter the better!

For best results, two applications are recommended on bare wood at the time of initial application. If possible CUTEK® EXTREME should be applied to all faces of the wood prior to installing, the clear oil can be used at this point and wet stacked. The 2nd application, with a Colourtone if desired, can be done once the project is built to the top or outer surface, and the 1st application is completely dry.

Penetration time varies significantly, depending on species, temperature, porosity and moisture content of the wood. Thicker sections such as posts, beams, logs will require additional applications, as CUTEK® EXTREME has a cumulative effect in the wood. Two or three thin applications on finished wood and hardwoods are better than one or two thick applications.

Clean Up

Equipment may be cleaned with soap and water or mineral spirits.

Oily rags and other oily materials may cause combustion fires. Immediately after use you MUST 1. 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 2. 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.

Storage

Store in an air-tight container. Do not let Colourtone freeze.
Maintenance

CUTEK® EXTREME will continue to penetrate and diffuse deeper into the wood. 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.

Projects protected with clear CUTEK® EXTREME may require maintenance less frequently than projects that used CUTEK® EXTREME with a Colourtone. The Colourtone will gradually wear or fade over time, rather than peel, split or crack, so the rejuvenation of wood is a simple fast and cost-effective process. Simply wash with CUTEK® QuickClean if the colour has faded and to remove general dirt and grime, or with CUTEK® ProClean if the wood has started to silver or grey. Heavy wear paths can have Colourtoned CUTEK® EXTREME lightly feathered into those areas prior to a full reapplication.

No sanding or stripping!

Reapplication time varies widely according to many factors including the species, age and porosity of the wood, use, situation, and exposure to the weather. Typically, horizontal exterior smooth surfaces such as pool decks and handrails may require coating every six months to two years, while vertical rough sawn cladding may require maintenance less frequently.

For more information refer to Factsheet No4 How to Maintain CUTEK® Extreme.