

CELcURE® C4



Performance Chemicals

CELCCURE[®] C4

WHAT IS CELCCURE[®] C4?

Celcure C4 is an advanced timber preservative system based on decades of Research & Development within Koppers Performance Chemicals' laboratories and combines the known fungicidal properties of Copper with Quaternary Compounds and Azoles in a unique formulation. Celcure C4 is a proven, highly effective, system to combat the most aggressive forms of fungal decay and insect attack in high risk applications.

The innovation takes traditional Alkaline Copper Quaternary systems to a new level, pushing the boundaries of science.

Celcure C4's innovative tri-biocidal formulation was specifically developed

to offer the highest degree of biocidal protection and efficacy, including that against Copper resistant decay fungi found within the viticultural areas of Europe. As such, Celcure C4 is becoming recognised as an effective form of timber preservative in the European market where national regulations permit its use.

Developed over a period of three decades and with a solid data package that provides reassurance and confidence in its performance, Celcure C4 will be Koppers Performance Chemicals' first pan-European water-based preservative product. Excellent laboratory performance that is matched in the field, C4 is a product you can trust to offer protection you need.



APPLICATIONS

Celcure C4 is highly effective in all Use Class applications from UC1-UC4, providing versatility and durable performance. Its unique formulation however, makes Celcure C4 best suited to high to medium risk applications such as fencing, construction timbers, landscaping timbers, agricultural stakes, decking, cladding, railway sleepers and utility poles.

APPEARANCE OF TREATED TIMBER

STEP 1

CELCCURE PROTECTION

Celcure preserved timber will initially have a green appearance that highlights the natural variations of the wood; this will weather to an attractive natural honey brown colour before finally fading to a driftwood grey, after long term exposure to the sun.

STEP 2

ENHANCEMENT OF COLOUR

To maintain or enhance the initial colour of the timber, a semi-transparent stain such as quality decking stain can be applied, providing an array of colour options. For enhanced weather protection a weather resistant finish can be applied.

CELCCURE CELBRONZE INTEGRATED SYSTEM

PROTECTION AND COLOUR

Celcure Celbronze is an integrated preservative and colour system providing the same high level of protection against fungal and insect attack, with added colour, in a 1 stage process, adding value and making your timber different from the rest.

Timber treated with Celcure Celbronze has a homogeneous brown colour immediately after high pressure treatment, highlighting the warmth and charm of the timber.

Celcure Celbronze is available in attractive brown and gold colour additive systems.

GENERAL GUIDANCE

To enhance weather protection, apply a weather resistant finish. Any exposed wood, should be protected from the weather.

Colour can be achieved with the use of a semi-transparent stain such as quality decking stain.

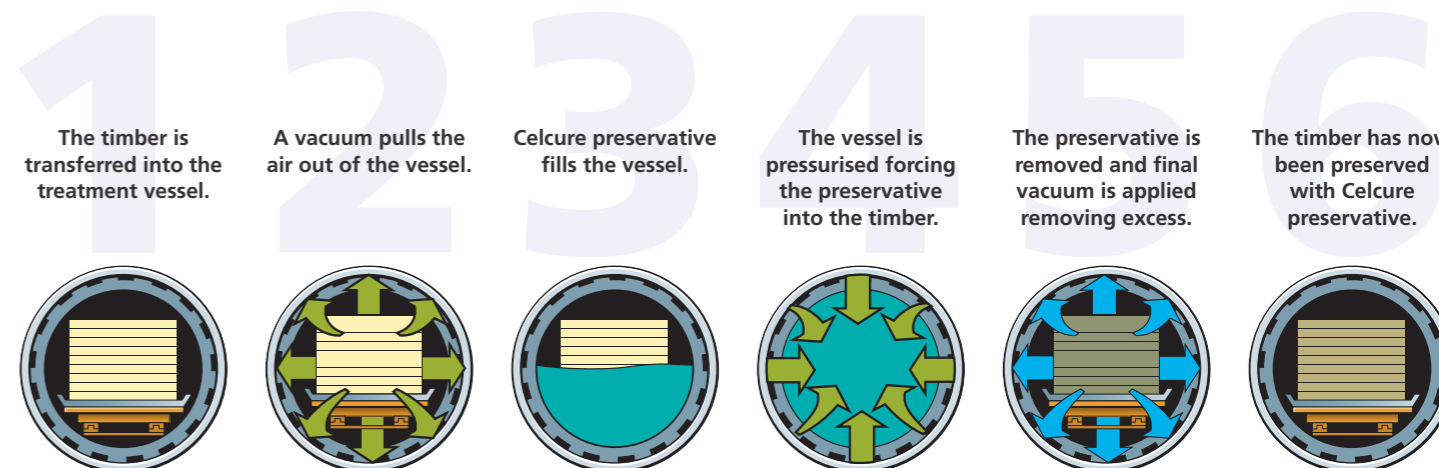
Application of a quality water repellent or deck oil will help to maintain a natural look. We recommend following the manufacturer's instructions and label of the finishing product.

CLASS OF PRESERVATIVE PROTECTION

UC	USE
1	Above ground, covered. Permanently dry. Insect risk.
2	Above ground, covered. Occasional risk of wetting.
3a	Above ground, not covered. Exposed to short spells of wetting (several days). Normally coated if exposed directly to bad weather.
3b	Above ground, not covered. Exposed to frequent wetting (several weeks)
4	In contact with ground or fresh water. Permanently exposed to wetting.

TREATMENT PROCESS

Celcure C4 has been developed to work in a traditional timber preservative treatment process which is compatible with the existing treatment plant infra-structure, ensuring the consistent and timely supply of preserved timber.



TIMBER CARE

Whatever you build with Celcure preserved timber will last a long time. It makes sense therefore that you take appropriate care of your project.

USE AN END COAT PRESERVATIVE

Any surface exposed by drilling or cutting must be coated with a cut end preservative such as a 2% copper naphthenate product. Failure to do this will reduce the effectiveness of the preservative. It is recommended that the coated ends are not put in the ground or in direct contact with water. Rip sawing; thickening and planing are not permitted unless the timber is subsequently processed to the original specification.

THE RIGHT FIXINGS

When working with Celcure preserved timber, it is important that you use the right fixings. Use fixings, hardware or any metal products as recommended by their manufacturer.

Do not use Celcure products in direct contact with aluminium.

It is good practice to drill pilot holes for fixings when screwing near the edge or end of a piece of timber.

Celcure preserved timber can be glued with most commonly used adhesives once dry.

APPLYING A FINISH

If you desire to apply a paint, stain, clear water repellent or other finish to your preserved wood, we recommend following the manufacturer's instructions and label of the finishing product. Before you start, we recommend that you apply the finishing product to a small test area before finishing the entire project to ensure that it provides the intended result.

IMPORTANT INFORMATION

Do not burn preserved wood.

Wear a dust mask and goggles when cutting or sanding wood.

Wear gloves when working with wood.

Some preservative may migrate from the treated wood into soil/water or may dislodge from the treated wood surface upon contact with skin. Wash exposed skin areas thoroughly.

All sawdust and construction debris should be cleaned up and disposed of after construction.

Wash work clothes separately from other household clothing before re-use.

Preserved wood should not be used where it may come into direct contact or indirect contact with drinking water, except for uses involving incidental contact such as fresh water docks and bridges.

Do not use preserved wood under circumstances where the preservative may become a component of food, animal feed, or beehives.

Do not use preserved wood for mulch.

Only preserved wood that is visibly clean and free of surface residue should be used.

Do not use preserved wood in direct contact with aluminium.

If wood is to be used in an interior application and becomes wet during construction, it should be allowed to dry before being covered or enclosed.

Disposal Recommendations: Preserved wood may be disposed of in landfills or burned in commercial or industrial incinerators or boilers in accordance with National and Regional regulations.

If you desire to apply a paint, stain, clear water repellent or other finish to your preserved wood, we recommend following the manufacturer's instructions and label of the finishing product. Before you start, we recommend that you apply the finishing product to a small test area before finishing the entire project to ensure that it provides the intended result.

Certain metal products (including fasteners, hardware and flashing) may corrode when in direct contact with wood treated with copper based preservatives. To prevent premature corrosion and failure it is important to follow the recommendations of the manufacturer for all metal products.

Mould growth can and does occur on the surface of many products, including treated or untreated wood, during prolonged surface exposure to excessive moisture conditions. To remove mould from treated wood surfaces, wood should be allowed to dry. Typically, mild soap and water can be used to remove surface mould.



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FOR MORE INFORMATION

Visit: www.kopperspc.eu
Email: kpc@koppers.eu
Call: +44 (0)1628 486644
Fax: +44 (0)1628 476757

Protim Solignum Limited
Fieldhouse Lane
Marlow
Buckinghamshire
SL7 1LS
Registered England – 3037845



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