



CELcure

Celcide 10EC : YOUR SOLUTION TO INSECT BORERS PROBLEM IN WOOD COMPOSITE PANELS

- **Protects against insect borers**
- **Adds value to panel**
- **Easy to use**

Description

Celcide 10EC is a solvent based emulsion concentrate wood preservative based on synthetic pyrethroid that is specially developed for the protection of composite panels against insect borers. Although Celcide 10EC is a solvent based wood preservative, some of the components in the formulation will enable it to be easily dispersed in water or water based adhesives. This will ensure good distribution and penetration of Celcide 10EC into the panel, thus making it highly effective and easy to use.

Active Ingredient

The active ingredient is a wood preservative grade Cypermethrin. Celcide 10EC is registered with Pesticides Board Malaysia.

Availability

Celcide 10EC is manufactured as a concentrate and can be diluted by addition to formaldehyde based adhesive to produce the working solution. It is supplied in 1 litre, 25 litres and 200 litres drum.

Storage

Store drums of Celcide 10EC concentrate in a secure place away from the general public, (particularly children) and livestock. Avoid extremes of temperature, both high and low.

Working Solution

The concentrate must be added to the formaldehyde based adhesive slowly, stirring thoroughly, to prepare the working solution. Do not mix by adding formaldehyde based adhesive to the concentrate. Celcide 10EC can also be diluted with water prior to adding into the formaldehyde based adhesive.

Dilution Rates

The risk of wood composite panel being attacked by insects varies considerably from factory to factory, according to the season and weather conditions, and depending on timber species and handling methods. Celcide 10EC users can adjust to these differences quite easily, simply by changing the concentration of the working solution.

CELCURE would suggest a concentration of 0.1% to 1.0% (calculated based in term of Celcide 10EC to solid resin). If the risk of attack by insect borers is high, a higher dosage is recommended. For any user's needs, CELCURE can advise on the correct concentration of Celcide 10EC.

Application Method

Normally Celcide 10EC is mixed into the liquid formaldehyde based adhesive to the recommended concentration and the resulting working solution is then applied to the wood composite panel during the panel manufacturing process.

Should additional protection be required, spray a diluted Celcide 10EC, which is obtained by mixing 1 (one) litre of Celcide 10EC to an organic solvent to a total volume of 800 litres, onto the finished panel prior to shipment.

Safety

The active ingredient of Celcide 10EC is highly suitable on safety grounds for wood treatments. It has been used safely for many years in the wood preservative industry. However, as with all biologically active materials, care is needed, and particularly when they exist in concentrated form. When working with Celcide 10EC, you should follow the recommended safety precautions.

Performance

Celcide 10EC is added to the formaldehyde based adhesive which acts as the carrier for Celcide 10EC. In this way, the Celcide 10EC is distributed throughout the panel. Celcide 10EC acts by killing the insect borers upon contact. Since the active chemical becomes fixed onto the wood surface, it will kill the insect upon contact.

For protection against fungi attack, Celcide 10EC should be used in conjunction with Celcure fungicide Celbrite TC. For advice on compatibility of fungicide with Celcide 10EC, please consult CELCURE.

Waste Disposal

Spillages of concentrate or solution should be mopped up with sawdust, sand or earth and disposed off in accordance with local requirements. Empty containers should be thoroughly washed and then rendered unfit for further use by puncturing or crushing. Do not contaminate ponds, waterways or ditches with chemical or used containers.

For further information, please contact:



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CELCURE

CELCIDE 10EC

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GENERAL

Celcide 10EC is based on a synthetic pyrethroid and has been tested effective for the protection of timber against insect borers. It is formulated in emulsion concentrate form for easy handling and dilution. Application into timber is either by dip/spray (short-term protection) or by pressure-impregnation (long-term protection).

TYPICAL SPECIFICATIONS

Active ingredient	: 10% w/w cypermethrin
Density at 20°C	: approx. 0.9
Appearance	: yellow to brown liquid
pH (2% w/v)	: 7.9
Flash point	: above 32°C
Emulsion characteristic	: conforms to WHO standard
Heat stability	: stable after storage at 54°C for 14 days

PACKAGING

Celcide 10EC is normally supplied in metal drums with 25 litres nett volume. Please read label carefully and take note of the details on hazard and safety precautions.

RECOMMENDED USAGE

Celcide 10EC is a contact insecticide formulated for protection of timber against insect borers. The product can be diluted with either water or a hydrocarbon solvent depending on the requirements for treatment. Please refer to Celcure for details.

1. SHORT-TERM PROTECTION

Dilute 1 litre Celcide 10EC with water to a total volume of 800 litres. Dip or spray timber to point of run-off. Ensure all surfaces are thoroughly wetted.

2. LONG-TERM PROTECTION

Dilute 1 litre Celcide 10EC with water to a total volume of 5000 litres. Apply into timber by vacuum-pressure impregnation. Please refer to Celcure for more details.

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Other CELCURE Products:-

CELCURE TIMBER IMPREGNATION PLANT:

A complete, self-contained and ready-to-use vacuum-pressure impregnation plant with simple operation, low maintenance features.

CELCURE-AP

A water-borne copper chrome arsenate wood preservative which gives long-lasting protection against fungi, insects and termites, but adds little to the cost of the timber. It is applied by vacuum pressure impregnation which forces the preservative deep into the wood. The chemicals become fixed in the wood after treatment and do not wash out. All timber treated with **CELCURE-AP** should be handled and used in accordance with Celcure's recommendations.

CELCURE-AP complies with British Standard 4072; American Wood Preserving Association Standard P5-81 CCA Type C; Nordic Wood Preservation Council Approval Certificate No. 5/1980; Malaysian Standard 733; Singapore Standard 72 and many other Standards throughout the world. Its preservative efficacy has been confirmed by continuing field trials and increasing international applications.

CELBOR

A water-borne boron based wood preservative. It is highly toxic to wood destroying insects and decay fungi. **CELBOR** is applied by vacuum pressure impregnation which forces the preservative deep into the wood. **CELBOR** has found increasing use and prominence in the treatment of Rubberwood in Malaysia, Thailand and the rest of South East Asia.

CELPRUF-PK

A light organic solvent preservative which gives lasting protection against fungi, insects and termites. It is applied by deluging, immersion or the Celvac vacuum/low pressure process. **CELPRUF-PK** is colourless and quick-drying, and is ideal for structural timbers and joinery where dimensional stability is of great importance. All timber treated with **CELPRUF-PK** should be handled and used in accordance with Celcure's recommendations.

CELBRITE

CELBRITE is our family name for anti-sapstain products which are available in both liquid and powder form. These are generally used to protect highly susceptible timbers such as Jelutong, Ramin, White Meranti and Rubberwood against sap-staining fungi which disfigure the wood surface. Protection is required for the freshly-sawn wood while it is drying and application is either by spray or dip.

CELGARD

A water-borne, combined flame retardant and wood preservative. **CELGARD** applied to timber, plywood and other timber-based board material by vacuum-pressure impregnation in accordance with Rentokil Specification, achieves Class 1 Spread Of Flame rating (BS476:Part 7).

For further information, please contact:

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