



CELSOL SD

Description

A water-borne timber preservative based on boron, fluoride, chromium and arsenic compounds for application to green timber by dip-diffusion techniques. Insecticidal, fungicidal and termiticidal.

Use of Treated Timber

Timber treated with Celsol SD is protected against fungal and insect, including termite, attack and is suitable for constructional timber such as house framing, flooring, cladding, joinery, weather boarding or other timbers out of contact with the ground.

Celsol SD treated timber is not recommended for ground contact situations, such as fence posts, piling or poles.

Specifying Treatment with Celsol SD

Where Government or other recognised official bodies have issued local Standard Specifications covering treatment with Celsol SD these specifications should be followed.

Elsewhere specifications should use a form of words similar to:

“All timber/plywood etc to be treated with Celsol SD in accordance with the manufacturer’s specification”.

Diffusion Storage and Drying

After treatment timber must be close piled, protected from rain and prevented from drying out for a minimum of 7 days to allow for penetration and fixation of the preservative. Following a further day under open-piled conditions the timber should have returned to the air-dry stage.

Cutting of Treated Timber

Timber treated with Celsol SD according to Celcure’s recommendations will have deep penetration of preservative. Nevertheless, large section timbers (more than 75mm thick) cross cut, cut-in at ends or drilled should have the freshly-exposed surfaces liberally treated with preservative solution by brush or dip. A limited amount of sawing, drilling or planing is allowable on smaller dimensional timber but it is recommended as a safeguard that re-treatment of cut surfaces be carried out even with thinner section timber.

Fire Resistance

Treatment with Celsol SD does not increase the flammability of timber.

Gluing

Care should always be taken to achieve a moisture content compatible with gluing, as recommended by glue manufacturers. The timber should be lightly dressed or sanded then brushed clean before gluing. Phenol/resorcinol formaldehyde type glues have been used successfully.

Paints, Stains and other Surface Coatings

Celsol SD treated timber needs no decoration, but if desired can be painted, stained or varnished in the same manner as untreated timber, provided care is taken to ensure that the moisture content is within the range recommended by the surface coating manufacture. Overpainting is recommended where severe leaching could occur. The surface should be cleaned with a stiff brush or sand-paper and the general recommendations followed for application of surface coatings, as given by the manufacturer.

Fixings

When dry, timber treated with Celsol SD is non-corrosive to all common metals, glass, plastic, cement, rubber etc. Hot-dip galvanized or similarly protected metals should be used if treated timber is to be used in situations where there is a risk of dampness.

Safety

Approved safety precautions are printed on drum labels, and are principally concerned with handling and use of the preservative itself. Treated timber should be held until dry before despatch or erection.

Specifications

Celsol SD is formulated to comply with the BFCA Preservatives developed and patented by the Commonwealth Scientific and Industrial Research Organisation of the Australian Government.

Test Results

BFCA Preservatives have been extensively tested in Australia and Papua New Guinea in laboratory and field trials by the C.S.I.R.O. Their effective performance against fungi, insects and termites is well proven, and copies of test results and further details may be obtained from Celcure.

For further information, please contact:—

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