

GLUSECT[®]

1.0 Description

Protection against borers or termites attack.

1.0 DESCRIPTION

Composition: Cypermethrin and stabilizer

Formulation: Oil miscible liquid

Appearance

& Odour: Clear yellow liquid with slight aromatic odour

Density: 1.03 g/ml at 25°C

Solubility: Miscible in glues & common organic solvent

pH: 4 - 5

Packaging: 1 litre can

2.0 Function

2.1 General

GLUSECT is a specially formulated insecticide for protection of engineered wood product EWP (MDF, HDF, particleboard and plywood) from insect (borers) or termites attack. GLUSECT is added directly to the glue mix for producing EWP. The use of GLUSECT does not require any modification to the current EWP manufacturing equipment and process.

2.2 Mode of Action

When glue containing GLUSECT is used to manufacture EWP, the EWP becomes resistant to insect (borers) or termites attack. This application which is called glue line protection is simple as well as cost effective.

2.3 Performance

A) GLUSECT has been tested in Australia according to Australasian Wood Preservation Committee Protocols for Assessment of Wood Preservatives (AWPC 2007) and has been shown to be effective in preventing attack by powder post beetles and subterranean termites.

B) GLUSECT has been tested at FRIM (Forest Research Institute Malaysia) according to FRIM working procedure (PK) A1: field efficacy test (16 weeks exposure) for preservatives against subterranean termites and AWPA E1-09: Standard Method for Evaluation to Determine Resistance to Subterranean Termites and has been shown to be effective in preventing attack by subterranean termites.

3.0 Benefits

3.1 General

Glusect was developed for the protection of engineered wood products that utilize resins such as phenol formaldehyde, urea formaldehyde, melamine urea formaldehyde, etc.

The addition of Glusect at the recommended dosage does not affect the bonding strength of the EWP.

3.2 Recommended Procedures

The procedure for addition of Glusect into glue is as below:

1. Add the resin to the mixing tank
2. Pour Glusect into the mixing tank
3. Mix thoroughly to ensure Glusect is dispersed uniformly in the mixture
4. Add filler & water (if required)
5. Add hardener and mix thoroughly
6. Verify viscosity glue mixture

Note: Conduct compatibility test on Glusect with the resin before use.

3.3 Recommended Retention

For protection against powder post beetles:
≥ 0.03% Glusect mass/mass

For protection against subterranean termite:
≥ 0.06% Glusect mass/mass

Please consult Lonza Wood Protection before commencing treatment.

4.0 Safety and Handling

Please refer to material safety data sheet for further information.

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