

Decortech Hoop Pine Plywood Acoustic Panel

Product Technical Statement: 102354



Hoop Pine is a light coloured clean faced premium grade plywood with a fine, even grain.

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Level of assurance needed to demonstrate NZ Building Code Compliance

Supporting documentation should include technical information by manufacturer and either an independent assessment or reference to an industry-based scheme



Decortech confirms that this minimum level of assurance has been met or exceeded by the following:

Decortech

[Technical Data](#)

Technical Statement

Product Description

Décortech Hoop Pine has a light coloured clean face with an even layup and excellent edge detail. Available in Interior and Exterior, For decorative purposes we recommend Interior Hoop Pine as it has a lighter, brighter, more consistent colour than Exterior Hoop Pine. For acoustic purposes where perforations are added to the ply, as the white glue lines are not visible when viewing down inside the perforations.

All Décortech standard perforations are available including slots, holes and Multigroove as well as any custom designed perforations. Custom size panels, cut-outs for lights, and negative edge details can also be provided.

Décortech panels come pre-finished by our Paintline as standard. The computer controlled application of paint gives a high quality, run free finish each time and our UV coatings cure instantly allowing for high productivity rates and a premium finish, making it a cost effective solution.

Scope of use

Interior is a non-structural grade of plywood that uses white glue between the plywood laminations. This is ideal when specifying Hoop Pine for decorative panelling as the glue used for interior suffers less colour deterioration on the external veneers due to a lower setting point for the glue.

Suitable applications include wall and ceiling linings, acoustic panels especially for schools, hospitals, commercial and public buildings, partition screens and display panels. It is ideal in the most critical applications such as entrance areas and exit corridors especially those used for emergency exits in case of fire.

Exterior Hoop Pine uses an A bond glue, dark in colour, to hold the plywood lamination together. It carries an F17 stress grade and is suitable for semi exposed applications.

New Zealand Building Code (NZBC)

The product will, if employed in accordance with the supplier's installation and maintenance requirements, assist with meeting the following provisions of the building code:

- **Clause C3 Fire affecting areas beyond the fire source:** Performance C3.4, C3.4(a)

Supporting Evidence

The product has and can make available the following additional evidence to support the above statements:

Decortech

[Technical Data](#)

Product Criteria

Design requirements

Décortech Hoop Pine is suitable for use as wall and ceiling linings. It is ideal for decorative finishes and can be used wherever a high quality aesthetic finish is required. Hoop Pine Interior is generally light coloured and has a fine, even, smooth face with a tight grain surface and no prominent grain or growth rings.

Décortech Hoop Pine is a high strength substrate with a decorative smooth finish and an excellent edge profile. It has good acoustic properties meaning increased noise reduction and can be combined with any of our standard or customised acoustic perforations to create perfect acoustics for any space. Decortech prefinished panels prevent the need for additional onsite trades after installation.



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Installation requirements

Walls:

Battens or studs at 600mm centres maximum, with fixing at 200mm centres maximum around perimeter and 400mm centres maximum through centre area of the panel. We recommend good quality builder's adhesive combined with some form of positive fixing i.e. screws or panel pins.

Ceilings:

Battens should be at 400mm centres maximum, with fixing at 200mm centres maximum around perimeter and 400mm centres maximum through centre area of the panel. We recommend good quality builder's adhesive combined with some form of positive fixing i.e. screws or panel pins.

We recommend at least a 3-5mm negative detail between all edges of the panels.

Please see the Decortech Panel Fixing Guide for further instructions.

Maintenance requirements

We recommend cleaning the panels when required with a warm damp cloth. Do not use any solvents or abrasive cleaners.

Panels must be installed by qualified tradesmen and handled with care. The product must be stored inside, off the ground, in dry condition. Panels must not be left wrapped in a non-breathable material (i.e. plastic) for longer than 4 days and should be unpackaged and aired once they arrive on site. Interior plywood must not be used in exposed, wet or damp conditions. Panels should be kept fastened in a flat pack square on top of one another on site to reduce the chance of the sheets bowing or any edge discolouration.

Company Product Information

Environmental

Decortech Hoop Pine plywood is 100% sourced from sustainable plantation grown trees with a current harvesting cycle of 50 years and from plantations managed by FPQ – Forestry Plantations Queensland, an arm of the Queensland Government. FPQ is certified to the Australian Forestry Standard (AFS) which gives FPQ access to a 'Chain of Custody' process for Green labelling. Decortech sourced Hoop Pine is certified for Chain of Custody under AS4707:2006. Due to our Paintline and the contained process of applying paint, our clear satin finish has low to no VOC content once applied and cured resulting in reduced Greenhouse gas emissions and hazardous waste disposal.

Relationships



Member of New Zealand Green Building Council



New Zealand Made



Date last validated: **04 April 2019**



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