

Décortech Firesafe Décorply Plywood Acoustic Panel

Product Technical Statement: 108330



Exclusive to Décortech, Firesafe Décorply is a clean faced panel with a white glue-line.

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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



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

Décortech

[Technical Data](#)

masterspec partner

Company Contact Details



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Technical Statement

Product Description

Exclusive to Décortech, Décortech Firesafe Décorply Plywood achieves the equivalent of a Group 1S fire rating. Décortech Firesafe Décorply Plywood is a creamy white, clean faced, lightweight, dimensionally stable substrate with a high-quality edge detail for improved aesthetics. A white glue line gives a clean, light edge making it perfect for decorative applications. Décortech Firesafe Décorply Plywood is a pre-finished panel with a hard-wearing fire-resistant coating that retains the look and beauty of natural wood with the safety of fire retardancy. Our panels come prefinished preventing the need for additional onsite trades after installation reducing costs as well as potential onsite issues such as spills, over spray or damage. Pioneering the next level of finish in a fire-retardant panel, Décortech Firesafe Décorply is available in a range of custom finishes including Standard paint finishes are Clear, Blackwood, Nordic, Blonded, Nude, Ash and Ivory. Standard sheet size is 2400mm x 1200mm in 12 and 15mm thickness.

Scope of use

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.

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 B2 Durability:** Performance B2.3.1(c)
- **Clause C3 Fire affecting areas beyond the fire source:** Performance C3.4(a)
- **Clause F2 Hazardous building materials:** Performance F2.3.1

Evidence

The product meets the requirements set out in the following documents, or relevant parts of cited standards within the documents:

Décortech Firesafe Décorply meets the equivalent of a Group 1S fire rating in accordance with the New Zealand Building Code (NZBC).

Supporting Evidence

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

Décortech
[Technical Data](#)

Product Criteria

Design requirements

Décortech Firesafe Décorply allows timber panels to be used in spaces that they previously could not be due to fire requirements. It is perfect to use when the aesthetic qualities of wood are desired with the safety of a fire-retardant solution. 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 exit in case of fire.

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

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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 Décortech Panel Fixing Guidelines for further information.

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 a dry, well-ventilated area away from extreme temperature fluctuations. It is important to protect the panels during storage by covering and protecting all parts that can be exposed to damage, light or moisture however, panels must not be left wrapped in a non-breathable material (i.e. plastic) for longer than 4 days. The panels must be stacked squarely on top of one another with a full cover sheet on top to avoid edge discolouration. Panels should not be exposed to natural light when being stored as wood is a natural material and changes over time when exposed to UV-light. The Décortech factory applied clear satin finish is also UV based and exposure to light will cause colour variations.

Company Product Information

Environmental

Décortech Firesafe Décorply Plywood is manufactured only from plantation grown sources and is a renewable resource. Environmental certificates are available on request. Formaldehyde Levels Décortech Firesafe Décorply Plywood formaldehyde levels have been classified as E1 – Low formaldehyde emissions – between 0.00 and 0.03 ppm which gives an acceptable rating for green buildings.

Relationships



New Zealand Made



Member of New Zealand Green Building Council



Date last validated: **04 April 2019**



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