

Big RiverPanels (Formerly Decortech) Firesafe MDF Acoustic Panel



Product Technical Statement: 102291

Tested to ISSO 5660 Part 1 and 2 achieving a Group 1S rating.

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Level of assurance needed to demonstrate NZ Building Code Compliance

Supporting documentation should include self-assessment and technical information by manufacturer



Big RiverPanels (Formerly Decortech) confirms that this minimum level of assurance has been met or exceeded by the following:

Decortech
[Technical Data](#)



masterspec partner

Company Contact Details



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Technical Statement

Product Description

It is an excellent substrate that can be combined with either a real timber veneer or paint finish.

Scope of use

Firesafe MDF is suitable for use in interior applications only and is not recommended in exposed, damp or wet conditions as it can swell and break when in contact with water. It may warp or expand if not sealed. It should not be used in areas subject to high humidity. Suitable applications include wall and ceiling linings, display panels, partition screens and acoustic panels especially for schools, hospitals, commercial and public buildings.

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(a)
Australian Wool Testing Authority Ltd - trading as AWTA Product Testing Tested to ISO 5660 Group 1s

Evidence

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

- Firesafe MDF meets a Group 1s fire rating in accordance with the New Zealand Building Code (NZBC) Verification Method C/MM2 Appendix 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

Design Guidelines Firesafe MDF is ideal to use when the aesthetic qualities of wood or a high-quality paint finish are desired with the safety of a fire-retardant solution. Suitable applications include wall and ceiling linings, display panels, partition screens and acoustic panels especially for schools, hospitals, commercial and public buildings. Our extensive range of Real Timber Veneers, painted finishes, and acoustic perforations can be mixed and matched to create the perfect panels for any space. Firesafe MDF is suitable for use in interior applications only and is not recommended in exposed, damp or wet conditions as it can swell and break when in contact with water. It may warp or expand if not sealed. It should not be used in areas subject to high humidity.

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.

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Please see the Decortech 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 factory applied clear satin finish is also UV based and exposure to light will cause colour variations.

Company Product Information

Environmental

Firesafe MDF is environmentally friendly and produced under an environmental management system that is certified to ISO-14001. Wood veneers are sourced from sustainable and renewable forests and EC, FSC and COC veneers can be provided on request. 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



New Zealand Made



Member of New Zealand Green Building Council



Date last validated: **20 December 2024**



Date last updated: **20 December 2024**

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