

## HYDRAPANEL LINING PANEL

### PURPOSE

The Hydrapanel lining panel (the panel) is supplied by Hydrawood Flooring Systems Ltd for use as a non-structural, internal wall or ceiling lining in wet or dry areas.

### EXPLANATION

The panels are 7.6 mm thick, laminated on the outer faces in a sandwich construction with a decorative high-pressure laminate. The core is magnesium oxide. The outer faces are abrasion-resistant, easily cleaned and maintained, and impervious to moisture and steam. The panels also have fire-resistant properties and when tested to EN 13501 achieves an A1 category.

The following panel sizes are available:

- Flushfit – 2400 mm x 1200 mm and 3000 mm x 1200 mm
- Subway Tile – 2400 mm x 1200 mm, with a 300 mm x 100 mm pattern
- Tile – 2400 mm x 1200 mm, with a 600 mm x 300 mm pattern.

The panel can be installed with a proprietary aluminium track or a Flushfit jointer system. They can also be bonded to timber, lightweight steel, masonry, concrete and engineered panel substrates provided the substrates are clean, dry and free of contaminants.



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### SCOPE AND LIMITATIONS OF USE

Scope	Limitations
<b>Building</b>	
In all buildings where the relevant structure complies with the NZ Building Code or, for existing buildings, where the designer and the installer have satisfied themselves that the existing structure is suitable for the intended building work.	
On timber or lightweight steel framing, and masonry, concrete and engineered panel substrates.	<ul style="list-style-type: none"> <li>➤ The substrates must be clean, dry and free from contaminants including dust.</li> <li>➤ The panels must be installed to concrete walls using timber battens with a DPC installed between the timber and concrete surface.</li> </ul>
As a wall lining (vertical or horizontal).	<ul style="list-style-type: none"> <li>➤ Studs or nogs must be at a maximum of 600 mm centres.</li> </ul>
As a ceiling lining.	<ul style="list-style-type: none"> <li>➤ Battens must be at a maximum of 400 mm centres.</li> </ul>
In buildings of any use.	<ul style="list-style-type: none"> <li>➤ Where a material group number 2 or greater is permitted.</li> </ul>



### USEFUL INFORMATION

For design, installation and maintenance information, refer to [hydrapanel.co.nz](http://hydrapanel.co.nz).

## PERFORMANCE CLAIMS

If designed, installed and maintained in accordance with all Hydrawood Flooring Systems Ltd requirements, Hydrapanel lining panel will comply with or contribute to compliance with the following performance claims:

NZ Building Code clauses	BASIS OF COMPLIANCE	
	Compliance statement	Demonstrated by
<b>B1 Structure</b> B1.3.1, B1.3.2, B1.3.3 (a, b, e, j) B1.3.4 (a, b, c, d, e)	ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> <li>› The University of Auckland. AS/NZS 2908.2. [03/09/2012].</li> <li>› Hydrawood Holdings Limited. Technical specification. [02/09/2019].</li> </ul>
<b>B2 Durability</b> B2.3.1 (b), B2.3.2 (b)	ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> <li>› Hydrawood Holdings Limited. Technical specification. [02/09/2019].</li> <li>› The University of Auckland. AS/NZS 2908.2. [14/09/2012].</li> </ul>
<b>C3 Fire Affecting Areas Beyond the Fire Source</b> C3.4 (a)	ACCEPTABLE SOLUTION C2/AS1 (1 <sup>st</sup> edition, 2019)	<ul style="list-style-type: none"> <li>› SGS. EN 13501-1:2007 + A1:2009, achieves Class A1. [21/01/2016].</li> </ul>
<b>E3 Internal Moisture</b> E3.3.4, E3.3.5, E3.3.6	ACCEPTABLE SOLUTION E3/AS1	<ul style="list-style-type: none"> <li>› High Pressure Laminated referenced in para. 3.1.2, E3/AS1.</li> <li>› Hydrawood Holdings Limited. Technical specification. [02/09/2019].</li> <li>› The University of Auckland. AS/NZS 2908.2. [14/09/2012].</li> </ul>
<b>F2 Hazardous Building Materials</b> F2.3.1	ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> <li>› Shandong Yurui International Trade Co. Ltd Material safety data sheet. Magnesium Oxide Board. [n.d.].</li> <li>› Shanghai Changyin Testing Technology Co. Ltd. Material safety data sheet. No. A001R161130002. High Pressure Laminate. [01/12/2016].</li> </ul>
<b>G3 Food Preparation and Prevention of contamination</b> G3.3.2 (a)	ACCEPTABLE SOLUTION G3/AS1	<ul style="list-style-type: none"> <li>› High Pressure laminate referenced in para. 1.6 of G3/AS1.</li> </ul>

## SOURCES OF INFORMATION

- › Hydrapanel. [5/2018] *Installation and specification guide. Version 4.4.*
- › Hydrawood Holdings Limited. [2/09/2019] *Quality Plan Summary.*
- › Ministry of Business, Innovation and Employment. [2015] *Achieving NZBC Group Numbers for surface finishes from tests to overseas standards.*
- › Shandong Yurui International Trade Co. Ltd. [n.d.] *Material safety data sheet. Magnesium Oxide Board.*
- › Shanghai Changyin Testing Technology Co. Ltd. [01/12/2016] *Material Safety Data Sheet. No. A001R161130002.*
- › SGS. [21/01/2016] EN 13501-1:2007 + A1:2009. *Fire classification of construction products and building elements.* Test Report No. SHCCM160100059.
- › The University of Auckland. [03/09/2012] *Report on Bending Strength Test on the basis of AS/NZS 2908.2. Hydrapanel.* Test Report: 2908.

- › The University of Auckland. [14/09/2012] *Report on Hydrapanel Water Permeability Test on the basis of AS/NZS 2908.2.* Test Report: 2908A.

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[hydrapanel.co.nz](http://hydrapanel.co.nz)



1. Where a standard is referenced it is to be read as amended by the acceptable solution or verification method as applicable. 2. Sources of information also include the Building Act 2004 and its regulations, including the Building Code (Schedule 1 of the Building Regulations 1992), Acceptable Solutions and Verification Methods, and relevant cited standards. 3. The product is not subject to a warning or ban under section 26 of the Building Act. 4. For overseas manufacturer details, where applicable, refer to the company that is the holder of this pass™. 5. The quality and assurance that the supplied products meet the performance claims stated in this pass™ are the responsibility of the company that is the holder of this pass™. 6. The availability of the information about the supplied products required to be disclosed under s14G(3) is the responsibility of the company that is the holder of this pass™.

Hydrawood Flooring Systems Ltd confirms that if Hydrapanel Lining panel is used in accordance with the requirements of this pass™ the product will comply with the NZ Building Code and other performance claims set out in this pass™ and the company has met all of its obligations under s14G(2) of the Building Act.

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*Kevin Brunton*

Kevin Brunton, Technical Director, TBB confirms that the process used to prepare this pass™ on behalf of Hydrawood Flooring Systems Ltd has been undertaken in accordance with MBIE PTS guidelines and in accordance with the TBB pass™ process which is within the scope of TBB's ISO 9001 certification.

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