

MAGLOK™ DRAGONBOARD® BPIR DECLARATION

Version 1.0 August 2023



DESIGNATED BUILDING PRODUCT: Class 1

DECLARATION

Global Procurement Supplies Ltd (GPS) has provided this declaration to satisfy the provisions of [Schedule 1\(d\) of the Building \(Building Product Information Requirements\) Regulations 2022](#).

COMPANY DETAILS

Name	Global Procurement Supplies Ltd
Role	Supplier/Importer
NZBN	9429039131843
Address	419 Church St, Penrose, Auckland 1061
Website	www.maglok.co.nz
Email	lester@ljmarketing.co.nz
Phone	021 969 905
Manufacturer	https://dragonboard.com/about

DESCRIPTION OF BUILDING PRODUCT

Maglok™ DragonBoard® (Maglok™) is a non-combustible board suitable for use as an internal flooring or ceiling panel. The boards that are 20 mm thick, 1200 mm width and 1800 mm or 2000 mm in length.

The boards are often referred to as magnesium sulphate boards as they are manufactured from a slurry (magnesium oxide (MgO), magnesium sulphate (binder)), proprietary fibres and perlite which is placed into panel moulds with layers of fibreglass mesh.

SCOPE OF USE & LIMITATIONS

Scope	Limitation
Building work	
In conjunction with a primary structure that complies with the NZ Building Code or where existing is equivalent stiffness to the framing provisions of NZS 3604:2011.	<p>Suitable up to a specific design live load (UDL) of 5 kPa.</p> <p>Where used with steel framing a thermal break may be required.</p> <p>Minimum span spacings for use as a floor or ceiling panel are as follows:</p> <ul style="list-style-type: none">• 450 mm or 600 mm for panel size 1800 mm x 1200 mm• 400 mm for panel size 2000 mm x 1200 mm. <p>Fixings must be in accordance with Maglok™ requirements.</p> <p>The Maglok™ board should be overlaid with a floor covering. Where vinyl or similar is to be laid, seams should be filled and sanded flush to create a uniformly smooth surface.</p> <p>Where external wall framing is to be installed on the Maglok™ board ensure that taping of the flexible wrap or rigid air barrier is specified.</p> <p>Where used in shower areas Maglok™ must be protected with a waterproof membrane that meets the requirements of AS/NZS 4858. In other areas subject to water splash the board must be protected by an impervious floor covering that complies with Clause E3 of the Building Code.</p>

CONTRIBUTION TO BUILDING WORK CODE OBLIGATIONS

When used in building work the Maglok™ Dragonboard® panel will contribute to building work through compliance with building code obligations that apply to the product itself.

	Evidence
B1 (Structure) B1.3.1, B1.3.2 B1.3.3 (a, b, e, f, i, j, m, q) B1.3.4	Expert analysis of load capacity [Engenium, 23/08/2018]. Tested to ASTM C1185-08:2016 (modulus of rupture) and ASTM D6109-97 (modulus of elasticity, shear, and flexural strength) [NTA, 09/2018; New York Product & Testing Services Inc, 18/11/2003]. Meets bending strength and modulus of rupture requirements of AS/NZS 1860, as cited in section 2.3.6 of NZS 3604:2011 and comparable product certified under section 269 [TBB, 04/2023].
B2 (Durability) B2.3.1 (a), B2.3.2 (a)	Sulphate MgO board not subject to tearing at relative humidity range of 40 to 60% [BRANZ, 16/11/2017; TBB, 04/2023]. Tested to ASTM G21 for growth of fungus [New York Product & Testing Services Inc, 17/01/2003].
C3 (Fire affecting areas beyond the fire source) C3.4 (a, b), C3.7 (a)	Meets paragraph 4.17.3 of C/AS2 non-combustible, tested to AS 1530.1:1994 [Intertek, 24/05/2018; Ignis Solutions, 16/07/2017]. Class A, tested to ASTM E84 [Global Product Testing Laboratories, 01/04/2016].
F2 (Hazardous Building Materials) F2.3.1	Use in accordance with manufacturer's use and safety requirements [Dragonboard USA, 16/02/2018]. ASTM G21. New York Product & testing services Inc. [17/01/2003].
G6 (Airborne and Impact of Sound) G6.3.1	Marshall Day Acoustic opinion [21/09/2021]. Marshall Day Acoustic opinion [06/09/2018].

FOR FURTHER INFORMATION

Maglok™ must be used in accordance with the information including intended purpose as documented by Global Procurement Supplies Ltd. For supporting information refer to www.maglok.co.nz.

RESPONSIBLE PERSON

In accordance with Regulation 8, as the responsible person I confirm that the information supplied in this declaration is based on information supplied to the company as well as the company's own processes and is therefore to the best of my knowledge, correct.

I can also confirm that Maglok™ Dragonboard®, as referred to in this statement, is not subject to a warning or ban under [s26 of the Building Act](#).

Signed for and on behalf **Global Procurement Supplies Ltd:**

Lester Haycock

Lester Haycock
AGENT

August 2023