



# MARCHAND ACOUSTIC RUBBER UNDERLAY

BPIR Technical Statement

Version: 002  
Last Updated Date :October 2025  
Building Product Information Requirements Classification: Class 1 (Building Product)

## + Product Description

Product Name	Marchand Acoustic Rubber Underlay
Product Code	AU-05
Description	High-density rubber underlay containing recycled rubber granules, manufactured under controlled conditions for use beneath engineered timber flooring and other floor finishes to improve impact and airborne sound insulation performance.
Nominal Thickness	3mm
Sheet Size	1 m × 10 m roll (≈ 10 m <sup>2</sup> coverage)
Colour	Black with colour speckle
Composition	Recycled rubber granules + PU binder
Country of Origin	China

## + Intended Use

- + Interior use only as an acoustic isolation layer beneath engineered timber, laminate, or tile flooring.
- + Suitable for multi-tenanted and multi-storey residential or commercial developments where impact- and airborne-sound reduction is required.
- + Installed over concrete slabs, timber substrates, or floor levelling compounds.
- + Compatible with radiant underfloor heating systems (subject to manufacturer confirmation).

## + Scope and Limitations of Use

Condition	Requirement
Installation	Must comply with Marchand installation instructions and be carried out by a competent installer.
Substrate condition	Flat, clean, dry, structurally sound, and moisture-tested as per ASTM F2170 or equivalent.
Moisture control	If on concrete, apply vapour barrier if moisture > 75% RH.
Exposure	Not suitable for exterior, wet areas, or permanently damp conditions.
Compatibility	Must be used under a finished flooring product (not exposed).

## + Relevant Building Code Clauses and Performance Contribution

NZBC Clause	Performance requirement met	Contribution of Marchand Acoustic Rubber Underlay
B2 Durability	B2.3.1 (a), B2.3.1 (b)	When installed under floor finishes, the underlay will continue to satisfy durability requirements for at least 5 years (replaceable component).
E3 Internal Moisture	E3.3.3, E3.3.5 & E3.3.6	Contributes indirectly to compliance when part of a system with moisture barriers and impervious floor finishes.
F2 Hazardous Building Materials	F2.3.1	Non-toxic; low VOC; complies with emission limits < 0.5 mg/m <sup>2</sup> h TVOC
H1 Energy Efficiency (Indirect)	H1.3.1 (a)	Thermal resistance ≈ 0.05 m <sup>2</sup> K/W; assists in minimising thermal bridging between substrate and finish.

### + Evidence of Compliance

- + Acoustic Performance Testing: ISO 10140-3 Impact Sound Insulation Testing ( $\Delta L_w = 11$  dB) by NZWTA.
- + Technical data and installation manuals available at [www.marchandluxuryoak.co.nz/resources](http://www.marchandluxuryoak.co.nz/resources).

### + Warnings and Bans

- + At the time of publication, no warning or ban under s26 of the Building Act 2004 applies to this product line.

### + Maintenance and Replacement

- + No specific maintenance required when covered.
- + Should be replaced if damaged or if flooring is removed and re-laid.
- + Storage & handling per Marchand guidelines (keep dry, flat, and protected from UV exposure).

### + Warranty

- + 10-year product warranty from date of installation against manufacturing defects when installed per manufacturer instructions.
- + Warranty void if installation does not follow specified conditions or underlay is exposed to moisture or UV.

### + Traceability & Identification

Each roll is labelled with:

- + Product Name
- + Batch Number / Manufacturing Date
- + Supplier Contact Information

### + Company & Authorisation Details

Legal Trading Name:	Marchand Limited
NZBN:	9429047485891
Address:	149 Victoria Street, Christchurch
Website:	<a href="http://www.marchandonline.co.nz">www.marchandonline.co.nz</a>
Email:	<a href="mailto:info@marchandonline.co.nz">info@marchandonline.co.nz</a>
Phone:	0274272659
Prepared By:	Julia Christie, Director
Date of Issue:	October 2025
Version Control:	Ver 002 - Updated to meet 2023 BPIR Schedule 1 requirements

Acoustic Underlay\_BPIR\_2/2



MARCHAND 20MM ENGINEERED  
EUROPEAN OAK FLOORING  
BPIR Technical Statement

Version: 001  
Last Updated Date : December 2023  
Building Product Information Requirements (BPIR) Classification: Class 1 (Building Product)

+ Product Description

Product Name	Marchand 20 mm Engineered European Oak Flooring
Product Type	Prefinished engineered timber flooring system (tongue & groove, micro-bevelled or handmade bevelled edges)
Construction	6 mm European Oak wear layer (Quercus robur)
	14 mm multi-layer birch plywood core (E0 formaldehyde emission)
	Nine-layer UV-cured lacquer finish, low-VOC and solvent-free
	Board Dimensions: 20 mm (thickness) × 240 mm (width) × 2200 mm (length)
	Available Finishes: Brushed and lightly brushed.
	Moisture Content: 8 ± 2 % at manufacture
	Packaging: Supplied in full boxes (2.11 m <sup>2</sup> coverage per box)
Country of Origin	China

+ Intended Use

	For interior residential and commercial floor finishes where durability, aesthetics, and stability are required.
	Typical uses:
+	Living areas, kitchens, hallways, bedrooms, and feature spaces
	Commercial fit-outs (offices, showrooms, retail, hospitality)
	Over approved acoustic underlays or direct-stick systems

+ Scope and Limitations of Use

Condition	Requirement
Installation	In accordance with Marchand Installation Manual and adhesive manufacturer instructions (e.g., Bona R848T, Ardex PU30).
Substrate condition	Concrete, plywood, or particleboard subfloors that are dry, flat (±3 mm over 3 m), structurally sound, and within moisture limits.
Environment	Interior use only; ambient RH 40–65 %, temperature 15–25 °C
Wet Areas	May be used in kitchens, laundries, and powder rooms where E3/AS1 moisture management provisions are met. Not suitable for showers or continuously wet zones.
Maintenance	Regular cleaning using approved timber-floor products; avoid standing water.
Finish re-coating	Allowed using compatible UV lacquer finish systems.

## + Relevant Building Code Clauses and Performance Contribution

NZBC Clause	Performance requirement met	Contribution of Marchand 20mm Engineered Oak Flooring
B2 Durability	B2.3.1 (a) & (b)	Engineered construction provides > 50-year design life for structural flooring layers and > 15 years for finish layer under normal conditions. Contributes indirectly to compliance when part of a system with moisture barriers and impervious floor finishes.
E3 Internal Moisture	E3.3.3, E3.3.5 & E3.3.6	When installed per Marchand instructions using approved adhesives and finishes, floor surface remains impervious and easily cleaned; compatible with moisture barriers and sealants to comply with E3/AS1.
C3 Fire Affecting Areas Beyond Source	C3.4(a)	When tested to ISO 9239-1 / ASTM E648, Critical Radiant Flux $\geq 4.5 \text{ kW/m}^2$ (meets Group 3 rating per C/AS2 Table C1).
D1 Access Routes	D1.3.3(d)	Tested per AS/NZS 4586:2004 by Independent Slip Testing Services (May 2025): <ul style="list-style-type: none"> <li>• Dry Floor Friction Test: Mean Coefficient of Friction = 0.50 » Class F (Minor to Very Low Risk)</li> <li>• Wet Pendulum Test: Mean BPN = 39 » Classification X (Moderate Slip Resistance)</li> </ul> » Complies for dry interior access routes and general circulation areas per NZBC D1/AS1 Table 2.
F2 Hazardous Building Materials	F2.3.1	Low-VOC, formaldehyde E0 $\leq 0.5 \text{ mg/L}$ (EN 717-1); UV lacquer non-toxic and solvent-free.
H1 Energy Efficiency (indirect)	H1.3.1 (a)	Timber surface contributes to interior thermal comfort; negligible thermal bridging when installed over compliant substrate.

## + Evidence of Compliance

- + Fire test: ISO 9239-1 / ASTM E648 ( $\geq 4.5 \text{ kW/m}^2$ , Group 3).
- + Slip resistance: AS 4586 (Dry Method C)  $\geq 0.48 \text{ COF}$ .
- + Acoustic test: ISO 10140-3  $\Delta L_w = 11 \text{ dB}$  (system with underlay).

## + Warnings and Bans

- + At the time of publication, no warning or ban under s26 of the Building Act 2004 applies to this product line.

## + Maintenance and Replacement

- + Clean with microfibre mop with a wood cleaner.
- + Avoid soaking, steam mops, or solvent cleaners.
- + Re-sand/re-finish permitted up to four times within service life.
- + Replace only damaged boards using professional installer.

## + Warranty

25-year residential and 5-year commercial limited warranty against structural failure, delamination, or excessive wear when installed and maintained per Marchand specifications. Warranty void if exposure to flooding, incorrect adhesive use, or subfloor moisture > 75 % RH occurs.

## + Traceability & Identification

Each box is labelled with:

- + Product name and colour code
- + Batch and production date
- + NZ importer contact (Marchand Ltd)

## + Company & Authorisation Details

Legal Trading Name:	Marchand Limited
NZBN:	9429047485891
Address:	149 Victoria Street, Christchurch
Website:	<a href="http://www.marchandonline.co.nz">www.marchandonline.co.nz</a>
Email:	<a href="mailto:info@marchandonline.co.nz">info@marchandonline.co.nz</a>
Phone:	0274272659
Prepared By:	Julia Christie, Director
Date of Issue:	December 2023
Version Control:	Ver 002 – Updated to meet 2023 BPIR Schedule 1 requirements

20mm Flooring\_BPIR\_2/2



# MARCHAND 12MM ENGINEERED EUROPEAN OAK WALL AND CEILING BOARDS

*BPIR Technical Statement*

Version: 001  
Last Updated Date : October 2025  
Building Product Information Requirements (BPIR) Classification: Class 1 (Building Product)

## + Product Description

Product Name	Marchand 12 mm Engineered European Oak Wall and Ceiling Boards
Product Type	Prefinished engineered timber wall and ceiling lining system
Construction	<p>1.2 mm European Oak wear layer (Quercus robur)</p> <p>10.8 mm multi-layer birch plywood core (E0 formaldehyde emission)</p> <p>UV-cured lacquer finish (low VOC, solvent-free)</p> <p>Board Dimensions: 12 mm (thickness) × 120 mm (width) × 2400 mm (length)</p> <p>Profile: Tongue and groove or micro-bevelled edge (optional V-groove)</p> <p>Finish Options: Brushed, aged, clear lacquered</p> <p>Moisture Content: 8 ± 2 % at manufacture</p> <p>Packaging: Full cartons of 2.88 m<sup>2</sup> coverage</p>
Country of Origin	China

## + Intended Use

Designed as a decorative and functional timber interior wall and ceiling lining for residential and commercial applications.
Typical uses:
+ Living rooms, entries and hallways
+ Feature ceilings and alcoves
+ Retail, office and hospitality fit-outs
+ Internal timber feature panels in dry environments

## + Scope and Limitations of Use

Condition	Requirement
Installation	Fix to timber battens or direct to GIB/ply substrate using adhesive and secret nailing per Marchand Installation Guide.
Substrate condition	Dry, flat and stable interior surface (framed or lined wall/ceiling)
Environment	Interior use only; ambient RH 40–65 %, temperature 15–25 °C
Moisture Zones	Not for wet areas or exterior use.
Maintenance	Wipe with damp cloth only; avoid abrasives or standing moisture.
Finish repairs	Minor surface touch-ups with compatible lacquer finish permitted.

## + Relevant Building Code Clauses and Performance Contribution

NZBC Clause	Performance requirement met	Contribution of Marchand 20mm Engineered Oak Flooring
B2 Durability	B2.3.1 (a) & (b)	Durable engineered construction and protected surface finish provide > 15 years service life in dry interior conditions.
E3 Internal Moisture	E3.3.3 & E3.3.6	Installed as a dry-zone lining; contributes to impervious surface when sealed at joints and protected from water splashing.
F2 Hazardous Building Materials	F2.3.1	Low VOC; E0 formaldehyde $\leq 0.5$ mg/L (EN 717-1); UV lacquer is non-toxic and solvent-free.

## + Warnings and Bans

- + At the time of publication, no warning or ban under s26 of the Building Act 2004 applies to this product line.

## + Maintenance and Replacement

- + Wipe surfaces with soft cloth and neutral cleaner.
- + Avoid abrasive pads, solvents, or water saturation.
- + Panels can be individually removed and replaced if damaged.

## + Warranty

25-year residential / 5-year commercial limited warranty against structural failure, delamination, and finish defects when installed and maintained per Marchand specifications.

## + Traceability & Identification

Each box is labelled with:

- + Product name and colour code
- + Batch and production date
- + NZ importer contact (Marchand Ltd)

## + Company & Authorisation Details

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