

**MASONS PrimeTherm ERS PIR BOARD**  
**BUILDING PRODUCT**  
**INFORMATION SHEET**



**MASONS**  
Designed Smart, Built Tough.

V1.0 August 2025

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**PRODUCT NAME**

Masons PrimeTherm ERS PIR Board

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**PRODUCT LINE**

PrimeTherm ERS range

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**PLACE OF MANUFACTURE**

China

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**MANUFACTURER: Legal And Trading Name**

Contact Masons NZ Ltd

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**IMPORTER: Legal And Trading Name**

Company	Masons NZ Ltd
Address	18A David McCathie Place, Silverdale, Auckland
Phone number	0800 522 533
Email Address	info@mpb.co.nz
Website	mpb.co.nz
NZBN	9429031171090

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**1. PRODUCT IDENTIFIERS**

- Description: Polyisocyanurate (PIR) rigid insulation board, available with; none, glass, or foil facings, in various densities and thicknesses.
- Unique Identifiers: PrimeTherm ERS PIR (Grades: B1, FR).

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**2. SCOPE OF USE**

Intended for use as thermal insulation in:

- Masonry walls (internal and external).
- General building envelope insulation applications.
- Applications requiring lightweight, rigid insulation panels.
- Limitations: Must be installed in accordance with the Masons PrimeTherm ERS Installation Guide where provided. Installation requires supervision and sign-off by a Licensed Building Practitioner (LBP).



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### 3. BUILDING CODE COMPLIANCE

The product can be used to contribute to compliance with the following NZ Building Code clauses:

- › B2 Durability – 15–50 years depending on application.
- › E2 External Moisture – May contribute to weathertightness – certain applications.
- › H1 Energy Efficiency – thermal insulation properties for building envelope performance.
- › F2 Hazardous Building Materials – non-hazardous in normal use.
- › C Protection from Fire – B1 – FR grade assists in reducing spread of fire depending on installation.
- › Evidence of compliance: performance data from manufacturer's material testing (see section 4).

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### 4. PRODUCT PERFORMANCE

- › Density: 38 kg/m<sup>3</sup> (typical).
- › Compressive Strength: 417.4 N.
- › WVTR (Water Vapour Transmission Rate): 347.2 µp/m<sup>2</sup>.s (raw/glass faced boards).
- › Dimensional Stability: 0.23% change after 7 days ageing.
- › Delamination Resistance: 184.5 N.
- › Fire Performance: Classified B1 per EN fire standards. FR Grade PIR Board.
- › Aluminum foil-faced version: smoke development 0.02. – Highest resistance to fire.

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### 5. INSTALLATION

- › Must be installed as per the Masons PrimeTherm ERS Installation Guide where provided.
- › Supervision and final sign-off by a Licensed Building Practitioner (LBP) is required.
- › Only approved and suitably qualified persons may install the product.

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### 6. MAINTENANCE

- › Minimal maintenance required under normal conditions.
- › Building envelope should be inspected and maintained as per usual building maintenance schedules.
- › Masons may require evidence of maintenance in case of warranty claims.

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### 7. DURABILITY & WARRANTY

- › Warranty: 15 years from date of purchase or dispatch (whichever is earlier).
- › Durability: Up to 50 years or the life of the masonry cladding (whichever is shorter).
- › Warranty excludes: incorrect installation, poor design, structural failure, acts of God, inadequate maintenance, or third-party damage.

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### 8. HEALTH, SAFETY, AND ENVIRONMENT

- › Health & Safety: Non-hazardous under normal use. Dust from cutting should be minimised by PPE.
  - › Environmental Impact: PIR foam insulation reduces energy loss, contributing to lower operational building emissions.
  - › End-of-Life: Can be disposed of at approved landfill facilities.
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