

Premium polystyrene (EPS) sheet. High R-values.

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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



EXPOL confirms that this minimum level of assurance has been met or exceeded by the following:

AWTA

[Neopor](#)



masterspec partner

Technical Statement

Product Description

EXPOL PLATINUM BOARD

PREMIUM POLYSTYRENE SHEET

EXPOL Platinum Board (Graphite Infused – Premium Expanded Polystyrene Sheet)

Is the ideal product for timber and steel framed buildings and under concrete floor (slab) insulation. The addition of graphite to EPS – expanded polystyrene creates a product that offers one of the most effective forms of interior insulation available.

Resistant to moisture, EXPOL Platinum Board (Graphite Infused – Premium Expanded Polystyrene Sheet) is an excellent choice for wall cavities as it does not allow moisture to transfer from the exterior cladding to interior wall linings.

Where superior R-value, moisture resistance and flexible sizing is required, EXPOL Platinum Board (Graphite Infused – Premium Expanded Polystyrene Sheet) is your best choice. For a cost effective interior insulation, use EXPOL ThermaSlab (Standard EPS – Expanded Polystyrene) SL Grade.

The benefits:

Delivers far greater thermal performance (R-Value) than conventional (EPS – Expanded Polystyrene) and the thermal performance does not degrade over time.

Exceptional rigidity and strength.

High water resistance.

Conveniently sized sheets available in 20 thicknesses from 10mm to 120mm.

Lightweight and to easy cut, handle and install.

Eco-efficient using fewer raw materials during processing.

Excess product easily recycled in other EXPOL products.

Scope of use

Applications include:

- MASONRY WALL INSULATION
- UNDER CONCRETE FLOOR INSULATION
- SKILLION ROOF INSULATION
- EPS CLADDING SYSTEMS

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 B2 Durability:** Performance B2.3.1(a)
- **Clause E3 Internal moisture:** Performance E3.3.1
- **Clause F2 Hazardous building materials:** Performance F2.3.1
- **Clause H1 Energy efficiency :** Performance H1.3.1, H1.3.2E

Evidence

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

MANUFACTURING STANDARD - Expol Platinum Board complies with manufacturing standard AS 1366 Part 3 1992.

Supporting Evidence

Company Contact Details



Company: Expol Limited
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The product has and can make available the following additional evidence to support the above statements:

AWTA
[Neopor](#)

Product Criteria

Design requirements

EXPOL Platinum Board is a premium insulation panel designed for use in situations where a high R value is required within a shallow cavity or where rigid panels is required.

This product can not be used where exposed to direct sunlight.

SYSTEM COMPONENTS

WIRE GUARD

EXPOL Wireguard is a waxed paper strip used to separate exposed electrical cables from EXPOL insulation. EPS in some cases reacts with the plasticiser and degrades the elastic properties of some electrical cables over a prolonged period.

STYROFIX CONSTRUCTION ADHESIVE

EXPOL supplies a low solvent glue designed to adhere polystyrene to most surfaces. EXPOL Platinum Board can be glued in place using this adhesive.

Installation requirements

Install the polystyrene sheets once the polythene DPM has been laid. Place the polystyrene sheets on top of the polythene DPM and butt together. Do not place the polystyrene under any footings or thickenings. Cut holes in the polystyrene with a sharp knife to accommodate any services. Lay reinforcing steel mesh over the polystyrene on mesh chairs.

Company Product Information

Videos

[EXPOL Platinum Board](#)



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