

EXPOL ThermaSlab Sheet (EPS)

Product Technical Statement: 100940



Polystyrene (EPS) sheet for under slab applications.

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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

[EPS Sheet](#)



masterspec partner

Company Contact Details



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Technical Statement

Product Description

EXPOL THERMASLAB POLYSTYRENE SHEET

EXPOL ThermaSlab (EPS – Expanded Polystyrene Sheet) provides excellent compressive strength, moisture resistance, and thermal protection.

Ideally suited for residential applications, EXPOL ThermaSlab (EPS – Expanded Polystyrene Sheet) is cost effective, easy to install insulation solutions that achieve R-values above building regulations.

Made from environmentally sound EPS – Expanded Polystyrene, EXPOL ThermaSlab Polystyrene Sheet will protect a building from heat loss through the concrete slab. The result is a warm, dry, healthy home that costs less to heat and cool.

EXPOL ThermaSlab (EPS – Expanded Polystyrene Sheet) is a lightweight polystyrene board that does not compromise on insulation performance. At a thickness of 50mm, EXPOL ThermaSlab S delivers an R-value of 1.32 and ThermaSlab H delivers an R-Value of 1.39.

An exceptionally durable product, EXPOL ThermaSlab (EPS – Expanded Polystyrene Sheet) does not require maintenance or replacement. Thermal performance, water resistance, and compressive strength will last for the life of the building. EXPOL's expanded polystyrene insulation does not decay or rot, won't support a fire and has no nutritional value to termites or rodents.

EXPOL ThermaSlab (EPS – Expanded Polystyrene Sheet)) is easy to cut and comes in a range of sizes, making the installation process efficient.

The benefits:

Economical choice to achieve Building Code requirements

LightweightLong lastingWater resistance

Easy to cut

Tested and approved for use in EIFS cladding systems

Available in various thicknesses and grades to suit usage

Solutions to achieve R values above building regulations in both residential and commercial applications under concrete slab

Scope of use

Applications include:

MASONRY WALL

INSULATIONUNDER 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

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

MANUFACTURING STANDARD - All products and grades of EPS supplied by EXPOL comply with manufacturing standard AS 1366 Part 3 1992.

Supporting Evidence

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

AWTA
[EPS Sheet](#)

Product Criteria

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 ThermaSlab Sheet](#)



Date last validated: **07 September 2023**



Date last updated: **07 September 2023**

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