

High performance Extruded Polystyrene (XPS) sheet.

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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:



Technical Statement

Product Description

EXPOL-X is extruded rigid polystyrene foam (XPS). It provides optimum insulation for high and low temperatures and reduces energy consumption. EXPOL-X features a high compressive strength, low water absorption and outstanding thermal insulation. Expol-X has been manufactured without the use of ozone depleting gases.

Scope of use

EXPOL-X is a premium product for insulating under concrete floors. It is water resistant and has an extremely high compressive strength, which makes it suitable where high loadings are an issue. EXPOL provides high performance, solid insulation solutions for insulating both interior and exterior masonry walls. EXPOL-X is ideal for insulating the exterior of a masonry wall with its waterproof qualities. EXPOL-X is the ideal solution for insulating a retaining wall. Its waterproof qualities provide an excellent exterior insulation solution.

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

Supporting Evidence

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

Product Criteria

Design requirements

EXPOL-X is a premium product for insulating under concrete floors.

It is water resistant and has an extremely high compressive strength, which makes it suitable where high loadings are an issue.

EXPOL provides high performance, solid insulation solutions for insulating both interior and exterior masonry walls.

EXPOL-X is ideal for insulating the exterior of a masonry wall with its waterproof qualities.

EXPOL-X is the ideal solution for insulating a retaining wall. Its waterproof qualities provide an excellent exterior insulation solution.

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

Environmental

Complies with Green Star NZ requirements.

Videos

masterspec partner

Company Contact Details



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EXPOL X



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