



EXPOL EPS (SHEET)

BUILDING PRODUCT INFORMATION SHEET (CLASS 1)

Product Name:

EXPOL Expanded Polystyrene (EPS) Sheet.

This includes the following products:

- **EXPOL ThermaSlab** <https://www.expol.co.nz/expol-thermaslab-polystyrene-sheet/>
 - **EXPOL Platinum Board** <https://www.expol.co.nz/products/expol-platinum-board/>
 - **EXPOL StyroDrain** <https://www.expol.co.nz/expol-styrodrain/>
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Product Description and its intended use:

EXPOL EPS Sheet is available in a range of:

- **Sizes** (from 1200mm x 2400mm through to 1200mm x 4800mm),
- **Thicknesses** (from 10mm to 600mm),
- **Grades** (from SL Grade to VH Grade).

EXPOL EPS Sheet is suitable for a wide range of both residential and commercial building applications, including:

- **Retaining Walls (EXPOL ThermaSlab S Grade and EXPOL StyroDrain),**
 - **Masonry Wall Insulation (EXPOL Platinum Board),**
 - **Concrete Floor Insulation (Expol ThermaSlab S / H / VH Grades, EXPOL Platinum Board,**
 - **Skillion Roof Insulation (EXPOL ThermaSlab S / M / H Grades and EXPOL Platinum Board),**
 - **Cladding Insulation (EXPOL ThermaSlab S / H Grades and EXPOL Platinum Board),**
 - **Wall Insulation (EXPOL ThermaSlab SL Grade and EXPOL Platinum Board)**
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For further technical information please contact us.

P: +64 9 634 3449 F: +64 9 634 0756 T: 0800 86 33 73 E: tech@expol.co.nz W: www.expol.co.nz



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Product Identifier:

- **EXPOL ThermaSlab** (all sizes, thicknesses and grades),
 - **EXPOL Platinum Board** (all sizes and thicknesses),
 - **EXPOL StyroDrain.**
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Place of Manufacture:

New Zealand

Overseas

Legal and trading name of the manufacturer (s):

EXPOL Limited

Address for Service:

105 Captain Springs Road

Onehunga

AUCKLAND 1061

Website:

www.expol.co.nz

Email address:

tech@expol.co.nz

Phone No.:

0800 86 33 73

NZBN:

9429040411026

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Relevant Building Code Clauses:

- **Clause B2 Durability, performance B2.3.1 (a), B2.3.1(b),**
 - **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 (a) and H1.3.2 E.**
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Statement on how the building product is expected to contribute to compliance:

- **Clause B2 Durability, performance B2.3.1 (a), B2.3.1(b):** *EXPOL EPS Sheet* has a durability of at least 50 years where transported, stored and installed correctly.

Refer to the design and installation requirements for further information.

- **Clause E3 Internal moisture performance E3.3.1:** *EXPOL EPS Sheet* is moisture resistant and provides thermal resistance where transported, stored and installed correctly.

Refer to the design and installation requirements for further information.

Refer to <https://www.expol.co.nz/resource-centre/?wpdmdl=4221> for water vapor transmission rates by grade.

Refer to <https://www.expol.co.nz/resource-centre/?wpdmdl=4221> for product R-values by grade and thickness.

- **Clause F2 Hazardous building materials performance F2.3.1:** *EXPOL EPS Sheet* is an inert, non-toxic material.
- **Clause H1 Energy Efficiency, Performance H1.3.1 (a) and H1.3.2 E.:** *EXPOL EPS Sheet* provides thermal resistance where transported, stored and installed correctly.

Refer to the design and installation requirements for further information.

Refer to <https://www.expol.co.nz/resource-centre/?wpdmdl=4221> for product R-values by grade and thickness.

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Limitations on the use of the building product:

All **EXPOL EPS Sheet** is manufactured in a range of grades.

Each grade has its own physical properties and as such care should be taken to ensure that the selected grade meets the projects requirements for Compressive Resistance and Cross Breaking Strength.

All **EXPOL EPS Sheet** has been tested as follows:

- Compressive Resistance is tested to AS 2498.3
- Cross Breaking Strength has been tested to AS 2498.4

Compressive Resistance and Cross Breaking Strength testing results are available at
<https://www.expol.co.nz/expol-thermaslab-polystyrene-sheet/>

All **EXPOL EPS Sheet** is manufactured in a range of grades and thicknesses.

Each grade and thickness has its own thermal resistance rating or R-value and as such care should be taken to ensure that the selected grade and thickness meets the projects requirements for thermal resistance.

All **EXPOL EPS Sheet** has been tested as follows:

- Thermal resistance is tested to ASTM C518-04

Thermal resistance testing results are available at <https://www.expol.co.nz/expol-thermaslab-polystyrene-sheet/>

EXPOL EPS Sheet complies with manufacturing standard AS 1366 Part 3 1992.

Design requirements that would support the appropriate use of the building product:

- When transporting, storing or installing, ensure the **EXPOL EPS Sheet** is not exposed to:

- o Petroleum based solvents, or
- o Fire, or
- o Sustained direct sunlight.

- PVC sheathed electrical cables should not be allowed direct contact with **EXPOL EPS Sheet**.

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Installation Requirements:

- There are no special requirements for PPE when handling or installing **EXPOL EPS Sheet**. It is an inert, non-toxic material.
- When transporting, storing or installing, ensure the **EXPOL EPS Sheet** is not exposed to:
 - Petroleum based solvents, or
 - Fire, or
 - Sustained direct sunlight.
- PVC sheathed electrical cables should not be allowed direct contact with **EXPOL EPS Sheet**.
- **EXPOL EPS Sheet** is compatible with all common construction products.

Maintenance Requirements:

- No maintenance required.
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Is the building products/ building product line subject to a warning or ban under section 26 of the Building Act 2004:

Yes

No

If yes, description of the warning or ban under section 26:

N/A

Date

06 / 04 / 2023

Version	Date	Description of changes and person responsible for making changes
1.0	04/04/2023	First draft (Cameron Brooks)
1.1	06/04/2023	Reviewed and approved (Cameron Brooks)
1.2	27/08/2024	SLABX200 BRANZ Tested added (WM)

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