



EXPOL XPS (SHEET)

BUILDING PRODUCT INFORMATION SHEET (CLASS 1)

Product Name:

EXPOL Extruded Polystyrene (XPS) Sheet.

This includes the following products:

- **EXPOL X** <https://www.expol.co.nz/expol-x/>
-

Product Description and its intended use:

EXPOL XPS Sheet is available in a range of:

- **Sizes** (from 300mm x 2500mm through to 600mm x 2500mm),
- **Thicknesses** (from 10mm to 100mm).

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

- **Retaining Walls,**
 - **Masonry Wall Insulation,**
 - **Concrete Floor Insulation,**
 - **Cladding Insulation.**
-

Product Identifier:

- **EXPOL X.**
-

Place of Manufacture:

- | | |
|-------------|-------------------------------------|
| New Zealand | <input type="checkbox"/> |
| Overseas | <input checked="" type="checkbox"/> |
-

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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Legal and trading name of the manufacturer (s):

Feininger (Nanjing) Energy Saving Technology CO., Ltd.

Address for Service:

2 Zhonglin Road, Tangshan Industry Area, Nanjing City, China

Website:

www.feiningercn.com

Email address:

market@feininger.cn

Phone No.:

0086 25 6815 3668

NZBN:

N/A

Legal and trading name of the importer:

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.**
-

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 XPS 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 XPS 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.

- **Clause F2 Hazardous building materials performance F2.3.1:** *EXPOL XPS Sheet* is an inert, non-toxic material.

- **Clause H1 Energy Efficiency, Performance H1.3.1 (a) and H1.3.2 E.:** *EXPOL XPS 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:

Care should be taken to ensure that **EXPOL XPS Sheet** meets the projects requirements for Compressive Resistance and Cross Breaking Strength.

All **EXPOL XPS 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-x/>

EXPOL XPS Sheet is manufactured in a range of grades and thicknesses.

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

All **EXPOL XPS 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-x/>

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

- When transporting, storing or installing, ensure the **EXPOL XPS 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 XPS Sheet**.
-

Installation Requirements:

- There are no special requirements for PPE when handling or installing **EXPOL XPS Sheet**. It is an inert, non-toxic material.
- When transporting, storing or installing, ensure the **EXPOL XPS Sheet** is not exposed to:
 - o Petroleum based solvents, or

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- Fire, or
- Sustained direct sunlight.

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

- ***EXPOL XPS Sheet*** is compatible with all common construction products.

Maintenance Requirements:

- No maintenance required.

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 undersection 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	21/07/2023	Remove Concrete Edge Insulation (Cameron Brooks)

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