

EXPOL SLABX200 (SHEET)

BUILDING PRODUCT INFORMATION SHEET (CLASS 1)

Product Name:

EXPOL SLABX200

This includes the following products:

- **EXPOL SLABX200** <https://www.expol.co.nz/expol-slabx200-2/>
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Product Description and its intended use:

EXPOL SLABX200 is available in a range of thicknesses:

- **Sizes** (2400 x 1200mm),
- **Thicknesses**
(50mm, 60mm, 75mm, 85mm, 90mm 100mm, 110mm, 120mm, 150mm, 200mm, 300mm)
- **Grade** (SLABX200).

EXPOL SLABX200 Sheet is suitable for both residential and commercial building applications:

- **Insulation under concrete slabs**
 - **Insulation under waffle pod floor raft foundations**
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For further technical information please contact us.

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Product Identifier:

- **EXPOL SLABX200**, (all sizes and thicknesses),

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.:

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Relevant Building Code Clauses:

- Clause B1 Structure, performance B1.3.1, B1.3.2
- 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 SLABX200 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 SLABX200 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 SLABX200 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.

Limitations on the use of the building product:

EXPOL SLABX200 Sheet is manufactured in a range of thicknesses.

SLABX200 has its own physical properties and as such care should be taken to ensure that the it meets the projects requirements for Compressive Resistance and Cross Breaking Strength.

EXPOL SLABX200 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/>

SLABX200 is manufactured in a range of 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.

EXPOL SLABX200 has been tested as follows:

- Thermal Conductivity BRANZ Test No. TV17029-02
- Thermal Resistance BRANZ Test No. TV17029-02



EXPOL SLABX200 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 SLABX200 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**.
-

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Installation Requirements:

- There are no special requirements for PPE when handling or installing **EXPOL SLABX200**. It is an inert, non-toxic material.
- When transporting, storing or installing, ensure the **EXPOL SLABX200 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 SLABX200 Sheet**.
- **EXPOL EPS 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 under section 26:

N/A

Date

06 / 04 / 2023

| Version | Date | Description of changes and person responsible for making changes |
|---------|------------|--|
| 1.0 | 24/08/2024 | First draft (Wayne Watson) |
| 1.1 | 26/08/2024 | Reviewed and approved (Wayne Watson) |

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