

**Product Name:**

**MAXEdge (EPS) Profile**

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**Product Description and its intended use:**

**MAXEdge (EPS) Profiles** are available in a range of:

- **Heights** (from 305mm to 400mm). Bespoke heights are also available.

**MAXEdge (EPS) Profiles** are available:

- Coated with a water-based waterproof resin,
- Uncoated.

**MAXEdge (EPS) Profiles** are available:

- As lengths,
- As pre-made external corners.

**MAXEdge (EPS) Profiles** are suitable for in-situ slab insulation in:

- Slab-on-grade slabs,
  - Rib-raft slabs
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**Product Identifier:**

- **MAXEdge Coated** (all heights) (lengths and corners),
  - **MAXEdge Uncoated** (all heights) (lengths and corners).
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**Place of Manufacture:**

- New Zealand
- Overseas
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For further technical information please contact us.

P: [+64 9 634 3449](tel:+6496343449) F: [+64 9 634 0756](tel:+6496340756) T: [0800 86 33 73](tel:0800863373) E: [tech@expol.co.nz](mailto:tech@expol.co.nz) W: [www.expol.co.nz](http://www.expol.co.nz)

**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](http://www.expol.co.nz)

**Email address:**

[tech@expol.co.nz](mailto:tech@expol.co.nz)

**Phone No.:**

0800 86 33 73

**NZBN:**

942904041 1026

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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): **MAXEdge (EPS) Profiles** have 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: **MAXEdge (EPS) Profiles** are moisture resistant and provide thermal resistance where transported, stored and installed correctly.

Refer to the design and installation requirements for further information.

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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: MAXEdge (EPS) Profiles** are manufactured from EPS, an inert, non-toxic material.

- **Clause H1 Energy Efficiency, Performance H1.3.1 (a) and H1.3.2 E.: MAXEdge (EPS) Profiles** provide 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:

**MAXEdge (EPS) Profiles** are manufactured from VH grade EPS.

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.

**MAXEdge (EPS) Profiles** are manufactured from VH grade EPS.

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

All **EXPOL EPS** 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/>

**MAXEdge (EPS) Profiles** comply with manufacturing standard AS 1366 Part 3 1992.

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

- When transporting, storing or installing, ensure the **MAXEdge** 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 EPS**. It is an inert, non-toxic material.
  - When transporting, storing or installing, ensure the **EXPOL EPS** 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**.
  - **EXPOL EPS Sheet** is compatible with all common construction products.
  - For detailed instructions please visit [www.expol.co.nz](http://www.expol.co.nz)
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**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:**

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N/A

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**Date**

19 / 07 / 2023

<b>Version</b>	<b>Date</b>	<b>Description of changes and person responsible for making changes</b>
1.0	06/07/2023	First draft (Cameron Brooks)
1.1	18/07/2023	Updated, based upon feedback from Mark Mischefski (Cameron Brooks)
1.2	19/07/2023	Updated, to include External Corners (Cameron Brooks)