

MAXEDGE (EPS) PROFILE – TECHNICAL DATA SHEET

1.0 - Product Overview

MAXEdge (Expanded Polystyrene / EPS) **Profiles** provide excellent compressive strength, moisture resistance, and thermal protection for concrete slabs.

Ideally suited for residential and commercial applications, **MAXEdge Profiles** are a cost effective, easy to install insulation solution that achieves R-values above building regulations.

MAXEdge Profiles are available both coated and uncoated.

MAXEdge Profiles are available both as lengths and as pre-made external corners.

MAXEdge Profiles are available in various heights and can be used in all types of concrete slabs, as an in-situ solution.



2.0 - Installation

2.1 There are no special requirements for PPE when handling or installing EPS. It is an inert, non-toxic material.

2.2 When transporting, storing or installing, ensure the EPS is not exposed to:

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

2.3 PVC sheathed electrical cables should not be allowed direct contact with EPS.

2.4 EPS is compatible with all common construction products.

2.5 For detailed installation instructions please visit www.expol.co.nz

3.0 - Maintenance

3.1 No maintenance required

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

4.0 - Warranty

We believe we manufacture and supply the highest quality UnderFloor, EPS and XPS Foam Insulation products and that is why we stand behind them with some of the best warranties in the industry.

4.1 We provide a 20-year warranty on our EPS Foam Insulation Products – for full warranty details visit www.expol.co.nz/expol-eps-warranty/

5.0 - Compliance with the New Zealand Building Code

EPS, when installed and maintained in accordance with the requirements outlined in this technical data sheet, will meet or contribute to meeting the following provisions of the New Zealand Building Code:

- 5.1 Clause B2 Durability, performance B2.3.1 (a), B2.3.1(b)
- 5.2 Clause E3 Internal moisture performance E3.3.1
- 5.3 Clause F2 Hazardous building materials performance F2.3.1(a)

EXPOL EPS is not subject to a warning or ban under the Building Act 2004.

6.0 - Quality Assurance

- 6.1 BRANZ, H1 Energy efficiency performance H1.3.1(a), H1.3.2(e)

MAXEDGE (EPS) PROFILE – TECHNICAL DATA SHEET

7.0 - Technical Data

Properties	Test / Method / Standard		Test Results	
Material	Uncoated - Expanded Polystyrene. Coated - Expanded Polystyrene with a water-based waterproof resin coating.			
Density	28 kg / m ³			
Profile Sizes	2400 mm x 350 mm x 305mm 2400 mm x 350 mm x 320 mm 2400 mm x 350 mm x 340 mm 2400 mm x 350 mm x 385 mm 2400 mm x 350 mm x 400 mm 2400 mm x 350 mm x <u>420</u> mm			
	Construction R-values			
Area to Perimeter Ratio	305 / 320 mm	385 / 400 mm	305 / 320mm Brick	385 / 400mm Brick
1.6	1.46	1.52	1.30	1.34
1.8	1.54	1.62	1.39	1.43
2.0	1.62	1.72	1.47	1.53
2.2	1.70	1.80	1.55	1.60
2.4	1.77	1.88	1.62	1.68
2.6	1.85	1.96	1.70	1.76
2.8	1.92	2.03	1.78	1.84
3.0	2.00	2.11	1.85	1.92
3.6	2.21	2.33	2.06	2.14
4.0	2.36	2.48	2.21	2.28

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