

**Product Name:*****EXPOL Timber UnderFloor Insulation.***

This includes the following products:

- **EXPOL R1.4 White UnderFloor Insulation** <https://www.expol.co.nz/expol-r1-4-white-underfloor-insulation/>
- **EXPOL R1.8 Black UnderFloor Insulation** <https://www.expol.co.nz/expol-r1-8-underfloor-insulation/>
- **EXPOL R2.5 UnderFloor Insulation** <https://www.expol.co.nz/expol-r2-5-white-underfloor-insulation/>
- **EXPOL R3.1 Black UnderFloor Insulation** <https://www.expol.co.nz/expol-r3-1-black-underfloor-insulation/>
- **EXPOL Z Clip** <https://www.expol.co.nz/timber-floor-insulation/>
- **EXPOL Joist Saddles** <https://www.expol.co.nz/timber-floor-insulation/>
- **EXPOL WireGuard** <https://www.expol.co.nz/timber-floor-insulation/>

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**Product Description and its intended use:**

***EXPOL Timber UnderFloor Insulation*** is available in a range of:

- **Joist Widths** (360mm / 410mm / 470mm and 560mm),
- **R-Values** (R1.4, R1.8, R2.5 and R3.1)

***EXPOL Timber UnderFloor Insulation*** is suitable for both existing timber floors and new timber floors.

**EXPOL Z Clips, Joist Saddles and WireGuard** aid in the installation of ***EXPOL Timber UnderFloor Insulation***.

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## EXPOL TIMBER UNDERFLOOR INSULATION

### BUILDING PRODUCT INFORMATION SHEET (CLASS 1)

#### Product Identifier:

- EXPOL R1.4 White UnderFloor Insulation,
- EXPOL R1.8 Black UnderFloor Insulation,
- EXPOL R2.5 UnderFloor Insulation,
- EXPOL R3.1 Black UnderFloor Insulation,
- EXPOL Z Clips,
- EXPOL Joist Saddles,
- EXPOL WireGuard.

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#### Place of Manufacture:

New Zealand ☒

Overseas ☐

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For further technical information please contact us.

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**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): *EXPOL Timber UnderFloor Insulation* 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 Timber UnderFloor Insulation* is moisture resistant and provides 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.

- **Clause F2 Hazardous building materials performance F2.3.1: *EXPOL Timber UnderFloor Insulation*** is an inert, non-toxic material.

- **Clause H1 Energy Efficiency, Performance H1.3.1 (a) and H1.3.2 E.: *EXPOL Timber UnderFloor Insulation*** provides thermal resistance where transported, stored and installed correctly.

Refer to the design and installation requirements for further information.

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### Limitations on the use of the building product:

***EXPOL Timber UnderFloor Insulation*** is manufactured in a range of R-values:

- R1.40
- R1.80
- R2.50
- R3.10

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

All ***EXPOL Timber UnderFloor Insulation*** 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/timber-floor-insulation/>

***EXPOL Timber UnderFloor Insulation*** complies with the Australian and New Zealand insulation standard AS / NZS 4859.

***EXPOL Timber UnderFloor Insulation*** complies with manufacturing standard AS 1366 Part 3 1992 for SL Grade.

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

- When transporting, storing or installing, ensure the ***EXPOL Timber UnderFloor Insulation*** is not exposed to:

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

- PVC sheathed electrical cables should not be allowed direct contact with **EXPOL Timber UnderFloor Insulation**.

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### Installation Requirements:

- Refer to the **EXPOL Timber UnderFloor Installation** Instructions available from <https://www.expol.co.nz/installing-timber-floor-insulation/>

- When transporting, storing or installing, ensure the **EXPOL Timber UnderFloor Insulation** 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 Timber UnderFloor Insulation**.

- **EXPOL Timber UnderFloor Insulation** is compatible with all common construction products.

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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:

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	Updated to remove adhesive information (will covered in a separate document) Cameron Brooks
1.2	06/04/2023	Reviewed and approved (Cameron Brooks)
1.3	18/07/2023	Removed L Brackets (Cameron Brooks)
1.4	06/09/2023	Removed 60mm Joist Saddles (Cameron Brooks)

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