

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 L Brackets** <https://www.expol.co.nz/timber-floor-insulation/>
- **EXPOL Z Clip** <https://www.expol.co.nz/timber-floor-insulation/>
- **EXPOL Joist Saddles (60mm and 100mm)** <https://www.expol.co.nz/timber-floor-insulation/>
- **EXPOL WireGuard** <https://www.expol.co.nz/timber-floor-insulation/>

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

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



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 L Brackets,
- EXPOL Z Clips,
- EXPOL Joist Saddles (60mm and 100mm),
- EXPOL WireGuard.

Place of Manufacture:

New Zealand

Overseas

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EXPOL TIMBER UNDERFLOOR INSULATION

BUILDING PRODUCT INFORMATION SHEET (CLASS 1)

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.:

0800 86 33 73

NZBN:

942904041 1026

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 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.

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.

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**.

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.

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

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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)

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