

# **GreenStuf® PIR** **INSULATION PANEL**

**GreenStuf® PIR is a polyisocyanurate (PIR) slab insulation that comes with an embossed foil layer on both sides.**

## **MANUFACTURER**

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Email: support@cnzinsulation.co.nz  
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NZBN: 9429052805332

## **INTENDED USE**

GreenStuf PIR Panel is designed to be installed as a rigid insulation, providing superior building thermal performance and energy efficiency. PIR is suitable for use on the external side of framed walls for continuous insulation. And suitable for timber, steel frame, concrete and block wall constructions. GreenStuf PIR Panel is also a solution for concrete ceiling (soffit) interior lining applications. It can be direct fixed to areas where a higher thermal performance is required.

## **RELEVANT BUILDING CODE CLAUSES AND HOW THE PRODUCT IS EXPECTED TO CONTRIBUTE TO COMPLIANCE**

- **B2 Durability:** Performance clauses B2.3.1(a) and B2.3.2.  
GreenStuf PIR Insulation is expected to have a serviceable life of at least 50 years where the insulation is not crushed or exposed to conditions that will degrade its performance, and the building is maintained so that the provisions of E2 and E3 clauses are met.
- **E2/E3 External and Internal Moisture:** GreenStuf PIR Panel has been tested to AS 2498.5 for water vapour transmission in accordance with AS 1366.2.
- **F2 Hazardous Building Materials:** Performance F2.3.1.  
This clause is met by Greenstuf PIR Panel.
- **H1 Energy Efficiency:** Performance H1.3.6(a).  
GreenStuf PIR Panel R values have been determined by testing to ASTM C518.

## **LIMITATIONS ON USE OF BUILDING PRODUCT**

- May not be suitable for some external wall applications in buildings over 10 metres in height as stipulated in NZBC section C - Protection from fire.
- Must be protected from direct exposure to elements.

## **DESIGN REQUIREMENTS SUPPORTING APPROPRIATE USE OF BUILDING PRODUCT**

- GreenStuf PIR Panels are designed to be friction fitted inside wall framing, fixed to battens or directly fixed to masonry.

## **INSTALLATION REQUIREMENTS**

- Must be installed according to the Install Instructions found online and included in each GreenStuf pack and NZS 4246 Energy Efficiency – Installing bulk thermal insulation in residential buildings.

This product is not subject to a warning or ban under section 26 of the Building Act.

# **GreenStuf® PHENOLIC PIPE LAGGING**

**Versatile and high-performance moisture-resistant thermal tubular insulation lagging made from phenol formaldehyde foam.**

## **MANUFACTURER**

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## **INTENDED USE**

GreenStuf® Phenolic Pipe Lagging is designed to be installed as an insulation around pipes, providing superior thermal performance. GreenStuf Pipe Lagging comes with a foil layer on one side, can be cut easily into desired lengths, and helps maintain the temperature of fluids inside pipes.

## **RELEVANT BUILDING CODE CLAUSES AND HOW THE PRODUCT IS EXPECTED TO CONTRIBUTE TO COMPLIANCE**

- **B2 Durability:** Performance clauses B2.3.1(a) and B2.3.2. GreenStuf Phenolic Pipe Lagging is expected to have a serviceable life of at least 15 years where the insulation is not crushed or exposed to conditions that will degrade its performance, and the building is maintained so that the provisions of E2 and E3 clauses are met.
- **E2/E3 External and Internal Moisture:** GreenStuf Phenolic Pipe Lagging has been tested to AS 2498.5 for water vapour transmission in accordance with AS 1366.2.
- **F2 Hazardous Building Materials:** Performance F2.3.1. This clause is met by GreenStuf Phenolic Pipe Lagging.
- **H1 Energy Efficiency:** Performance H1.3.6(a). GreenStuf Phenolic Pipe Lagging R values have been age tested to EN 13166:2012+A2:2016 in accordance with AS/NZS 4859.1:2018. Declared thermal conductivity reflects predicted performance after 25 years of use.

## **LIMITATIONS ON USE OF BUILDING PRODUCT**

- Must be protected from direct exposure to elements.

## **DESIGN REQUIREMENTS SUPPORTING APPROPRIATE USE OF BUILDING PRODUCT**

- GreenStuf Phenolic Foam Boards can be cut to length, and comes in 1m lengths.
- Embossed foil covers the outer surface of the Phenolic Pipe Lagging.

## **INSTALLATION REQUIREMENTS**

- Must be installed according to the Install Instructions found online and included in each GreenStuf pack and NZS 4246 Energy Efficiency – Installing bulk thermal insulation in residential buildings.

This product is not subject to a warning or ban under section 26 of the Building Act.

# **GreenStuf® PHENOLIC FOAM BOARD INSULATION**

**Versatile and high-performance moisture-resistant thermal insulation panel made from phenol formaldehyde foam.**

## **MANUFACTURER**

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## **INTENDED USE**

GreenStuf® Phenolic Foam Board is designed to be installed as a rigid insulation, providing superior building thermal performance and energy efficiency. GreenStuf Phenolic Foam Board comes with an embossed foil layer on one side and can be cut into any desired shape and size, for a broad range of uses.

## **RELEVANT BUILDING CODE CLAUSES AND HOW THE PRODUCT IS EXPECTED TO CONTRIBUTE TO COMPLIANCE**

- **B2 Durability:** Performance clauses B2.3.1(a) and B2.3.2.  
GreenStuf Phenolic Foam Board is expected to have a serviceable life of at least 50 years where the insulation is not crushed or exposed to conditions that will degrade its performance, and the building is maintained so that the provisions of E2 and E3 clauses are met.
- **E2/E3 External and Internal Moisture:** GreenStuf Phenolic Foam Board has been tested to AS 2498.5 for water vapour transmission in accordance with AS 1366.2.
- **F2 Hazardous Building Materials:** Performance F2.3.1.  
This clause is met by GreenStuf Phenolic Foam Board.
- **H1 Energy Efficiency:** Performance H1.3.6(a).  
GreenStuf Phenolic Foam Board R values have been age tested to EN 13166:2012+A2:2016 in accordance with AS/NZS 4859.1:2018. Declared thermal conductivity reflects predicted performance after 25 years of use.

## **LIMITATIONS ON USE OF BUILDING PRODUCT**

- Must be protected from direct exposure to elements.

## **DESIGN REQUIREMENTS SUPPORTING APPROPRIATE USE OF BUILDING PRODUCT**

- GreenStuf Phenolic Foam Boards are designed to be friction fitted inside wall framing, fixed to battens or directly fixed to masonry.

## **INSTALLATION REQUIREMENTS**

- Must be installed according to the Install Instructions found online and included in each GreenStuf pack and NZS 4246 Energy Efficiency – Installing bulk thermal insulation in residential buildings.

This product is not subject to a warning or ban under section 26 of the Building Act.



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