

Thermal and Acoustic Wall



Description

ecoinsulation Thermal and Acoustic Wall insulation is made using recycled glass and a sustainable binder that contains no added formaldehyde and provides a thermal and sound absorbing solution to external walls to help create a home that is a comfortable temperature and peaceful all year round.

Application

ecoinsulation Thermal and Acoustic Wall insulation comes in a range of widths and densities to suit most common wall stud spacing. The range of densities allow designers, specifiers, builders and homeowners to choose the best performance level for their project. ecoinsulation Thermal and Acoustic wall insulation is soft to handle and easy to install.

Product Range

Product code	R-Value (m ² K/W)	Density (kg/m ³)	Thickness (mm)	Width (mm)	Length (mm)	Area per pack (m ²)	Pieces per pack	Pack weight (kg)
658242	2.2	10.8	90	580	1160	19.5	29	18.9
658243	2.2	10.8	90	600	1160	19.5	28	18.9
653150	2.3	11.9	90	580	1160	17.5	26	18.8
653169	2.3	11.9	90	600	1160	17.4	25	18.7
653180	2.4	14.5	90	570	1160	13.2	20	17.3
90mm High Performance								
651742	2.6	20.3	90	420	1160	7.3	15	13.4
653177	2.6	20.3	90	570	1160	9.3	14	16.9
653178	2.6	20.3	90	600	1160	9.7	14	17.8
651766	2.8	29.1	90	420	1160	4.9	10	12.8
653367	2.8	29.1	90	570	1160	6.6	10	17.3
140mm High Performance								
653244	3.2	9.3	140	580	1160	14.8	22	19.3
653184	3.6	13.4	140	570	1160	9.9	15	18.6
651772	4.1	21.0	140	570	1160	6.0	9	17.5

Technical Data

Water Vapour Absorption

- Less than 5% by weight.

Corrosion Resistance

- No greater than sterile cotton.

Microbial Growth

- Does not support microbial growth.

Fire Hazard Properties (AS/NZS 1530.3)

- Ignitability: 0, Spread of flame: 0.
- Heat Evolved: 0, Smoke Developed: 0-1.
- Combustibility (AS 1530.1)
- Non-combustible.

Performance

Thermal Conductivity

AS/NZS 4859.1: 2002.

Thermal Resistance

AS/NZS 4859.1: 2002.

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Specification Compliance

AS/NZS 4859.1 Materials used in the Thermal Insulation of Buildings and comply with the New Zealand Building Code requirements: B2 – Durability, E3 – External Moisture, F2 – Hazardous Building Materials, and H1 – Energy Efficiency.

The **eco**insulation Thermal and Acoustic Wall range is an acceptable solution in terms of the New Zealand Building Code. This product is designed for use in timber and metal frame applications in new and existing domestic and commercial buildings.

Bio-solubility

The formulation used for **eco**insulation glasswool has been independently assessed to meet the requirements of the stringent Note Q standard (and is therefore consistent with the highest Australian and New Zealand industry standards), and also assessed by Knauf Insulation against the criteria of the Australian Safety and Compensation Council ASCC Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008 3rd Edition]. As a result of this assessment, **eco**insulation glasswool is not classified as hazardous according to the NOHSC criteria.

Environmental

ecoinsulation glasswool represents no known threat to the environment and has zero Ozone Depletion Potential and zero Global Warming Potential.

Features and Benefits

Proven Performance

- Preferred by professional installers concerned with quality, appearance and productivity.
- Excellent acoustical properties reduce sound transmission in the home when properly installed in walls, ceiling and floor systems.

Durability

- **eco**insulation glasswool insulation is odourless, rot proof, non-hygroscopic, does not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

Superior Handling

- Highly resilient insulation recovers quickly to full thickness for a snug fit and superior finished aesthetics.
- Consistent quality materials that feel good, cut easily and can be installed fast.
- Low dust for easier handling and increased productivity.

Convenient Packaging, Easier Handling

- **eco**insulation glasswool is packaged in a strong, white poly bag that offers excellent protection from abuse, dust and moisture.
- **eco**insulation glasswool packages feature easy to follow installation instructions.
- MasterBag insulation units (containing multiple packs) ensure reduced handling costs with improved compression – more square metres per bag, more square metres per truck load, fewer trips to the job site and less warehouse space for storage.

Superior Service and Support

- We are focused on providing first class customer service, producing high quality products and 'in full on time' deliveries.
- We are committed to providing a comprehensive range of relevant sales and marketing literature and web-based technical information to support specifiers and customers.

ecoinsulation
glasswool



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