

THERMOBATTS

INSULATION FOR THE NEXT GENERATION



ACOUSTIC PARTITION INSULATION DATASHEET

ThermoBatts partition insulation is available in a variety of densities, thicknesses, & dimensions, making them suitable for both standard timber and steel-framed construction as well as meeting a wide range of building needs. Whether you're building a new home, commercial building or renovating an existing space, ThermoBatts provide flexibility & adaptability for any project. Using ThermoBatts in your interior walls can significantly minimise noise transfer between rooms, providing you with the tranquility you desire. ThermoBatts are crafted with precision ensuring they fit snugly within wall cavities to maximise efficiency & performance. Additionally, they are designed for easy installation, reducing labour time and costs while delivering long-lasting benefits. By installing ThermoBatts, you can be confident that you are investing in high-quality insulation that not only enhances energy efficiency but also contributes to a more sustainable and comfortable living environment.

ESSENTIAL PERFORMANCE

Thermal Performance - In addition to sound absorption, ThermoBatts Acoustic batts will improve the thermal comfort and energy efficiency of the building in which they have been installed, keeping it cool in summer and warm in winter.

Acoustic Insulation - Outstanding sound-absorbing qualities, specifically engineered to minimise the transmission of undesirable noise.

AS/NZS 4859.1:2018 Compliant - All ThermoBatts products have achieved Third Party Certification that they meet the requirements of AS/NZS 4859.1:2018. This independent verification guarantees that you fulfill all essential requirements under the Building Code of Australia, giving you confidence and peace of mind.

Non-combustible - ThermoBatts can hinder the spread of flames and enhance the safety of homes, buildings, and their occupants.

KEY ADVANTAGES

Easier Installation: Designed for straightforward installation, this feature minimises labor time and costs while offering long-lasting advantages.

Sustainable Product: ThermoBatts are crafted from almost 85% recycled glass and locally sourced materials, making it an ideal choice that aligns seamlessly with sustainability and environmental objectives.

Exceptional Thermal Performance: These products deliver excellent energy efficiency for buildings, keeping them cool in summer and warm in winter. The thermal resistance value was evaluated at a mean temperature of 23°C, following AS/NZS 4859.1:2018. This guarantees that users can depend on the products to deliver the required thermal resistance, thereby enhancing the building's operational efficiency.

Acoustic Performance: Significantly decreases unwanted external noise within a building, creating a more enjoyable living and working environment. ThermoBatts batts serve as a natural and efficient sound barrier, reducing sound transfer and achieving outstanding Rw ratings.

Fire Hazard Properties: Achieved the following Early Fire Hazard Performance Indices: Ignitability: 0, Spread of Flame: 0, Heat Evolved: 0, Smoke Developed: 0-1. These results comply with AS/NZS 1530.3: 1999.

Corrosiveness: Chemically inert. Hydrogen in concentration at pH 6-7 and will not cause or accelerate corrosion in steel, stainless steel, copper, or aluminum.

Individual Volatile Organic Compounds (VOC's) Emission: Safe to use with low Volatile Organic Compounds (VOCs), ensuring no harmful levels are released.

Water Vapor Absorption: This product has been determined to be <0.02% by volume.

Maximum service temperature: Maximum service temperature of 350°C

Optimal Fibre Diameter: The optimal fibre diameter generates additional air chambers, enabling the insulation to provide superior and enhanced thermal and acoustic performance.

Combustibility Properties: ThermoBatts batts are inherently non-combustible, meaning they will not burn when exposed to fire. They have been tested for non-combustibility in accordance with AS/NZS1530 Part 1: 1994.

Surface Burning Characteristics: Meets the surface burning properties and limited combustibility outlined in ASTM E84

Application: ThermoBatts Acoustic Battas are intended for use in commercial metal framed walls, partitions and ceilings. The thermal and acoustic performance of ThermoBatts help achieve a wide range of Acoustic Ratings needed to satisfy the wide range of building requirements where acoustic control is critical. ThermoBatts can be used in high and low rise residential buildings, office fit-outs, schools and can also be used as a ceiling overlay for improved thermal and acoustic performance. ThermoBatts Acoustic batt range is available in densities from 11kgm³ through to 32kgm³ and thicknesses from 50mm to 90mm.

Mould Growth: This product does not promote the growth of mould, fungus, bacteria, or rodents.

Product Warranty: This product is covered by a 70 year product warranty. For full details, please go to www.ThermoBatts.com.au. Terms & Conditions apply

Enhanced Fibre Network: A more refined, longer, and evenly spread fiber network enhances tensile strength, allowing the insulation to display remarkable durability, flexibility, and a noticeably softer feel.



Health and Safety: Modern Glasswool insulation is classified as biosoluble. The International Agency for Research on Cancer (IARC) reclassified these types of Glasswool as Category 3 – not classifiable as carcinogenic to humans. Consequently Glasswool Insulation is considered safe for installation and use, as modern biosoluble Glasswool Insulation products are not classified as carcinogenic to humans by international authorities like the World Health Organization's IARC. While handling glass wool can cause temporary mechanical irritation to the skin and respiratory tract (such as itching, dryness, and coughing), these effects are harmless and temporary. Proper personal protective equipment (PPE) like gloves, long sleeves and pants, and respirators in dusty environments can prevent these irritations.

Density (kg/m³)	Thicknes s (mm)	R-Value (m²K/W)	Width (mm)	Length (mm)	Pieces Per Pack	Packs per bale	Area Per Pack (m²)	Product Code
11	50	R1.2	450	1200	35	8	18.90	840026
11	50	R1.2	600	1200	35	8	25.20	840027
11	75	R1.8	450	1200	23	8	12.42	840028
11	75	R1.8	600	1200	23	8	16.56	840029
11	90	R2.1	450	1200	19	8	10.26	840014
11	90	R2.1	600	1200	19	8	13.68	840015
14	50	R1.3	450	1200	30	7	16.20	840016
14	50	R1.3	600	1200	30	7	21.60	840017
14	75	R1.9	450	1200	15	7	8.10	840024
14	75	R1.9	600	1200	15	7	10.80	840025
14	90	R2.2	450	1200	16	7	8.64	840020
14	90	R2.2	600	1200	16	7	11.52	840021
24	25	R1.5	600	18900	2	1	22.68	840034
24	90	R2.5	450	1200	9	7	4.86	840030
24	90	R2.5	600	1200	9	7	6.48	840031
32	50	R1.5	450	1200	13	7	7.02	840032
32	50	R1.5	600	1200	13	7	9.36	840033

Technical specifications as shown in this literature are intended to be used as general guidelines only. The physical and chemical properties of glass mineral wool insulation listed herein represent typical average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Any references to numerical flame spread or smoke developed ratings are not intended to reflect hazards presented by these or any other materials under actual fire conditions. Warranty and liability upon delivery shall be in accordance with our General Terms and Conditions. No responsibility is assumed for the correctness of this information. Version of 20/07/2026.