

Rigorously tested
and proven to
deliver high
quality results.

APPLICATIONS



Floor Insulation



Midfloor Insulation

BENEFITS



New and retrofit applications



Fills all gaps and voids, creating
a complete thermal barrier
against heat loss or gain



Excellent acoustic performance



Made with up to 80%
post-consumer recycled glass



High thermal performance



Fast, easy installation by
Approved Installers.

ABOUT WARMAFLOOR

Perfect for insulating the floors and
midfloors or new and existing homes.

Warmafloor Insulation is an unbonded, Glasswool insulation designed with optimal thermal properties and excellent coverage and blowing characteristics. Warmafloor can be installed into both new build and existing floors and midfloors.

The product is specifically designed to fill all gaps and voids, creating a complete thermal barrier against heat loss or gain, and is capable of achieving very high installed R-Values.



PERFORMANCE

Thermal Conductivity	ASTM C 518 and AS/NZS 4859.1
Thermal Resistance	ASTM C 518 and AS/NZS 4859.1
Fire Properties	Ignitability: 0, Spread of Flame: 0, Heat Evolved: 0, Smoke Developed: 1.
Water Vapour Absorption	5% maximum by weight.
Microbial Growth	Does not support microbial growth.
Corrosion	No greater than sterile cotton.
Critical Radiant Flux	Greater than 0.12 W/cm ² .

Thermal performance

Warmafloor provides excellent thermal performance due to a low thermal conductivity and a complete and consistent installation. Warmafloor provides a choice of R-Values based on the installed thickness and installed weight per square metre. The stated thermal resistance (R-Value) is provided by installing the required density at the thickness (per the manufacturer's instructions). Failure to install less than the required density and thickness will result in lower insulation R-Values.

Warmafloor is designed to be installed at a target density of 8-9kg/m³. Refer to the thermal performance table for more details. Warmafloor will achieve R-Values that with the use of NZS 4214 are able to meet the minimum requirements of NZS 4218 and the Energy Efficiency requirements for floors and midfloors.

Acoustic performance

Improves sound transmission class (STC) by between 4 and 10 points.

Energy conservation

- Reduces energy usage and utility bills for heating and air conditioning.

Engineered Blow-in Insulation System

Warmafloor is an engineered solution which incorporates a system approach to the insulation of your floors. A range of accessories are supplied with the System to provide a range of solutions and performance checks. Backed by the Approved Installer network, to provide confidence in the performance of the product.

Installation

- Fast and easy to install with the added confidence of an Approved Installer.

Durability

- Non-combustible, non-corrosive.
- Will not rot, mildew or deteriorate.
- Will not sustain vermin.
- Will not settle.
- Consistent, reliable performance.
- Performs for the lifetime of the building.

Equipment required

To achieve the required R-Value, this product must be installed using an approved blowing machine and equipment. Installation must be complete inline with the system guidelines and by an Approved Installer.

Packaging

Warmafloor is packaged in a strong, poly bag that offers excellent protection from abuse, dust and moisture. Insulation packages stack without slipping and are easy to handle and store.

Thermal performance

- Each bag contains a high percentage of recycled glass content.
- Carbon negative. When used as thermal insulation, Warmafloor will recover the energy used to produce it within days of installation. It will continue to reduce carbon generation for as long as it is in place.

Specification Guide

The insulation shall be Warmafloor insulation 0.055W/mK (NZ), 8-9kg/m³. The product will be non-combustible, CFC/HCFC free, zero ODP and GWP, Glasswool insulation with high post-consumer recycled glass content. It will be manufactured under Quality Assurance Standards ISO 9001:2008 and ISO 14001:2004 and shall be installed in accordance with the instructions issued by them.

CEILING SPECIFICATIONS

Product Thickness (mm)	High Density - 28kg (R-Value)	Medium Density - 23kg (R-Value)	Low Density - 18kg (R-Value)
45mm	1.3	1.3	1.2
90mm	2.7	2.5	2.3
140mm	4.1	3.9	3.6
190mm	5.6	5.3	4.9
240mm	7.1	6.7	6.2
300mm	8.8	8.3	7.7
360mm	10.6	10.0	9.2
400mm	11.8	11.1	10.3



NEW ZEALAND BUILDING CODE COMPLIANCE

Clause B2 DURABILITY: Performance B2.3.1(b) 15 years. Warmafloor will meet this requirement.

Clause E3 INTERNAL MOISTURE: Performance E3.3.1. Warmafloor will contribute to meeting this requirement.

Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1. Warmafloor meets this requirement and will not present a health hazard to people.

Clause H1 ENERGY EFFICIENCY: Performance H1.3.1(a) and H1.3.2 E. Warmafloor will contribute to meeting these requirements. Warmafloor thermal resistance has been determined by AS/NZS 4859.1. Warmafloor is an acceptable solution in terms of the New Zealand Building Code.