Trufill® High Performance Insulation

0800 267 992
trufill.co.nz

Version: 1121-24A

The honest solution to high performance insulation.

APPLICATIONS

- Ceiling Insulation
- Wall Insulation
- Mid Floors
- Under Floors

BENEFITS

- Maximum performance in walls, mid-floor, cathedral/skillion roof cavities.
- Acoustic properties reduce sound passing through construction cavities
- Fast and easy installation by accreditated installers.
- Sustainable - up to to 80 percent recycled glass content

ABOUT TRUFILL®

Trufill® is a high-performance insulation system designed for new builds. The Trufill® system can be installed into walls, roofs and floors and is suitable for most New Zealand home builds.

Made from non-combustible Glasswool, Trufill® blown insulation is designed for timber frame walls, floors, skillion roofs and ceilings. The system is designed to provide high performance insulation for new build homes, completing filling the roof and ceiling cavities to create a complete thermal barrier for your home.

The Trufill® system is designed for blowing into walls and ceilings at the framing stage of a build prior to linings, once plumbers and electricians have completed their pre-wire/pre-line. Unlike batt or segment insulation products, Trufill® can be easily blown around pipes and electrical wiring without leaving gaps and voids, providing a complete thermal and acoustic barrier for your home.

Trufill® should only be installed by accreditated installers to ensure the highest quality and installed performance.

PERFORMANCE

Thermal	AS/NZS 4859.1 compliant
Fire Hazard 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
Combustibility	Non-combustible (AS 1530.1-1994)

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masterspec partner

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ADDITIONAL INFORMATION

Trufill® provides excellent thermal performance due to a low thermal conductivity and a complete and consistent installation. Trufill® 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.

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

Trufill® 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.

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.

Acoustic performance

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

Thermal performance

- Each bag contains a high percentage of recycled glass content.
- Carbon negative. When used as thermal insulation, Trufill® 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.

Engineered Blow-in Insulation System

Trufill® is an engineered solution which incorporates a system approach to the insulation of your ceiling space. 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.

R-VALUES Trufill Insulation System R-Value in Relation to Thickness

Nominal Thickness (mm)	Minimal Blown Density				
	Open - 12 kg/m³ (0.043 W/mK at 15°C)	Low - 15 kg/m³ (0.041 W/mK at 15°C)	Medium - 19 kg/m³ (0.039 W/mK at 15°C)	High - 26 kg/m³ (0.035 W/mK at 15°C)	Ultra - 32 kg/m³ (0.0327 W/mK at 15°C)
45mm	1.00	1.05	1.15	1.25	1.35
90mm	2.05	2.15	2.30	2.55	2.75
140mm	3.25	3.40	3.55	4.00	4.25
175mm	4.05	4.25	4.45	5.00	5.35
190mm	4.40	4.60	4.85	5.40	5.80
225mm	5.20	5.45	5.75	6.40	6.85
240mm	5.55	5.85	6.15	6.85	7.30
275mm	6.35	6.70	7.05	7.85	8.40
290mm	6.70	7.05	7.40	8.25	8.85
325mm	7.55	7.90	8.30	9.25	9.90
360mm	8.35	8.75	9.20	10.25	11.00
395mm	9.15	9.60	10.10	11.25	12.05

APPLICATIONS

Truss and Skillion Roofs	**Skillion** blown at low, medium, high or ultra density. **Truss** blown at open density only.	**Internal & External Walls**	Blown at medium, high or ultra density for higher performance.	**Floors and Mid Floors**	Blown at all densities excluding open, depending on reqirements.

New Zealand Building Code:

Clause B2 DURABILITY: Performance B2,3,1(b) 15 / 50 years. Trufill® will meet this requirement. Clause E3 INTERNAL MOISTURE: Performance E3.3.1. Trufill® will contribute to meeting this requirement. Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1. Trufill® 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. Trufill® will contribute to meeting these requirements. Trufill® thermal resistance has been determined in accordance with AS/NZS 4859.1. Trufill® is an acceptable solution in terms of the New Zealand Building Code.

CodeMark
CMNZ30144

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