

SUPAFIL® LOFT

February 2025

Applications



Description

Supafil® Loft is an unbonded, glasswool insulation designed with optimal thermal properties and excellent coverage and blowing characteristics. Supafil® Loft can be installed into both new build and existing ceilings. It can be used to form the total thermal solution or as an additional thermal layer to existing insulation. Supafil® Loft should only be installed by Approved Installers to ensure the highest quality and installed performance.



Performance

Thermal	AS/NZS 4859.1 (2018)
Fire Hazard Properties (AS/NZ 1530.3)	Ignitability: 0 Spread of Flame: 0 Heat Evolved: 0 Smoke Developed: 1
Vapour Resistivity	5.00 MN. s.g.m.
Microbial Growth	Does not support microbial growth
Corrosiveness (C665)	Pass
Combustibility	Non-combustible (AS 1530.1)

Benefits

- ✓ New and retrofit applications
- ✓ High thermal performance
- ✓ Fills all gaps and voids, creating a complete thermal barrier against heat loss or gain
- ✓ Made with up to 80% post-consumer recycled glass
- ✓ Excellent acoustic performance
- ✓ Fast, easy installation by Approved Installers

Certification



Declare.



JENSEN HUGHES
FireMark

Approved product
AC 100.3



Please scan the QR Code to view the complete list of certifications on our website.

Specifications

Product Code	Installed density (kg/m ³)	Nominal Thickness (mm)	R-Value (m ² K/W)	Thermal conductivity (W/mK)
633724	13	160	3.1	0.051
633724	13	180	3.5	0.051
633724	13	205	4.0	0.051
633724	13	255	5.0	0.051
633724	13	310	6.0	0.051
633724	13	360	7.0	0.051
633724	13	410	8.0	0.051
633724	13	460	9.0	0.051
633724	13	510	10.0	0.051

Additional Information

Specification Guide

The insulation shall be Supafil® Loft insulation 0.051 W/mK 13kg/m³, CodeMark Certified to meet the provisions of the BCA. 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 and ISO 14001 by Knauf Insulation and shall be installed in accordance with the instructions issued by them.

Specification Compliance

- AS/NZS 4859.1 (2018).
- Non-combustible (AS 1530.1).
- Declare certified.

Thermal performance

Supafil® Loft provides excellent thermal performance due to a low thermal conductivity and a complete and consistent installation. Supafil® Loft 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. Supafil® Loft is designed to be installed at a target density of 13kg/m³. Refer to the thermal performance table for more details.

Sustainable

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

Installation

- Fast and easy to install with the added confidence of an Approved Installer.
- Easily fills hard to reach and low pitch roofs.

Durability

- Silicone treated for extra moisture protection.
- 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.

Energy conservation

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

Engineered Blow-in Insulation System

Supafil® Loft fills all gaps and voids around service penetrations such as water pipes and electric wiring and any other obstructions or unusual design details, ensuring thermal performance is created. Supafil® Loft allows quicker and more efficient filling of wide cavities where multiple layers of conventional insulation would normally be installed. Supafil® Loft saves installation time by minimising the steps needed to fully insulate tight corners and hard to reach areas.

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

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

Knauf Insulation Pty Ltd

23 Corporate Drive, Cannon Hill, Queensland, 4170, Australia

Customer Service: Tel: +61 7 3393 7300

Technical Advisory Centre: tech.au@knaufinsulation.com

Fax: +61 7 3902 0613