

WOOL.LIFE

INSULKNOP™ INSULATION

INSULKNOP™ is a 100% pure sheep wool fibre insulation specifically blended and optimised for building insulation. When installed, the entangled wool fibre knops form a high quality building insulation material.



APPLICATION

Wool.Life is an exciting eco-sustainable business whose mission is to safely insulate houses utilising nature's wonder insulator wool. Wool.Life natural wool insulation, INSULKNOP™ has benefits that can change your life.

FEATURES & BENEFITS

INSULKNOP™ insulation maintains its R-Value regardless of the outside temperature and humidity, cleans the air in houses, removing volatile chemicals such as Formaldehyde which helps builders and homeowners equally. It makes houses safe in the event of a fire and dramatically reduces the toxicity. Having the lowest carbon footprint helps to improve the environment and save our planet.

- Loose fill blow-in insulation
- Secured by mesh
- 100% natural sheep wool
- No bonding agents
- Natural moisture management
- Safe and easy to work with
- Non-irritant and non-toxic
- Performance warranted for 50 years (Ts&Cs apply)
- Manufactured in New Zealand by Wool.Life NZ Ltd

TECHNICAL DETAILS

INSULKNOP™ is manufactured in New Zealand from 100% New Zealand sheeps wool. The wool is sourced from selected wool producing farms in New Zealand. It is scoured (washed) in New Zealand, using a non-ionic safe detergent to remove dirt, suint and lanolin. An eco-friendly low toxicity solution, Eulan SPA 01, is added in the scouring process to protect the product from moths.

Technical Attributes	Testing Standard	Test Result
Flame Spread	Standard Method of Test for Surface Burning Characteristics Of Flooring, Floor Covering and Miscellaneous Materials and Assemblies. CAN/ULC S102.2	Flame Spread Rating: 5 (Class 1) Smoke Developed Rating: 20 (Class 1)
Flammability	Thermal Insulation For Use In Pitched Roof Spaces In Dwellings. Section 2, Flammability Test & Section 3, Smouldering Resistance Test. BS 5803: Part 4	Complies
Smouldering	Thermal Insulation For Use In Pitched Roof Spaces In Dwellings. Section 2, Flammability Test & Section 3, Smouldering Resistance Test. BS 5803: Part 4	Complies
All Categories	Migration of Certain Elements. BSEN 71-3: 1995	Pass
Non-toxic	OSH Health and Safety Guidelines	Wool fibres are non-toxic
Non-irritant	OSH Health and Safety Guidelines	Wool fibres are non-irritant
Safety	Material Safety Data Sheet:	EULAN® SPA 01
Acoustic Values	Acoustic Absorbency Data BS EN ISI 354:2003 (equivalent to ASTM C423)	100% total absorbance of frequencies above 500 hz at 100mm thickness.

VTec Results for Wool.Life Knop thermal R values using the ASTM C177 test method

These R values are measured with a wool knop density of 26.4 kg/m³

Thickness (mm)	100	150	200	250
R-Value	R 4.06	R 6.08	R 8.11	R 10.14

APPLICATION

Installation

INSULKNOP™ Insulation must be installed according to the manufacturer's guidelines and in accordance with NZ Standard NZS4246 (Energy Efficiency - Installing Insulation in Residential Buildings). Installation Instructions for INSULKNOP™ can be found at www.wool.life/insulation. For further information please contact Wool.Life on +64 (27)444 6491.

50 Year Warranty

INSULKNOP™ has a 50 year warranty. Our product warranty covers that - so long as the insulation is installed correctly and remains adequately protected - Insulknop insulation will perform for 50+ years. Terms & conditions apply.

Read the full warranty and discover more about the advantages of wool at www.wool.life