

Product Guide & Price List

Effective
1st June 2010

Product Guide & Price List Australia



energy saving



warmth



quietness

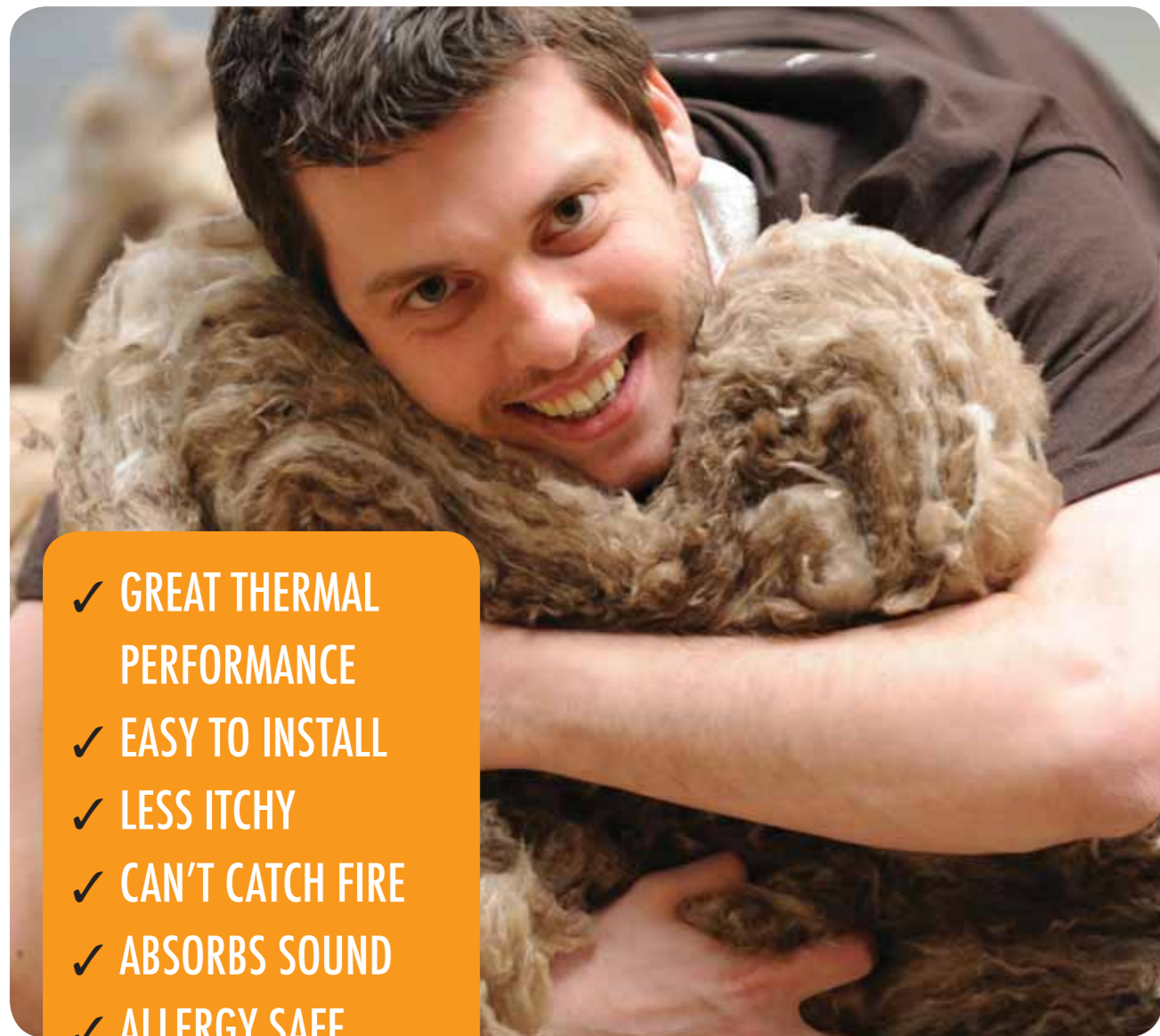


fire protection



sustainability

EARTHWOOL
the feel good insulation



- ✓ GREAT THERMAL PERFORMANCE
- ✓ EASY TO INSTALL
- ✓ LESS ITCHY
- ✓ CAN'T CATCH FIRE
- ✓ ABSORBS SOUND
- ✓ ALLERGY SAFE
- ✓ NO ADDED ARTIFICIAL COLOURS OR FORMALDEHYDE

Can insulation really feel this good?

'Super soft' and environmentally friendly insulation for your home.

www.knaufinsulation.com.au









www.feelgoodinsulation.com.au



EarthWool™ is the world's first insulation to be awarded the EUROFINS Gold Award for improving indoor air quality.

EARTHWOOL™
the feel good insulation

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1. Introducing Knauf Insulation

Our global expertise is focused on meeting Australia's unique requirements

Knauf Insulation is part of the Knauf Group of Companies, a family owned global building material business.

As one of the world's leading insulation manufacturers, we are active in more than 50 countries and have over 30 manufacturing sites producing glasswool, rock mineral wool, extruded polystyrene (XPS), expanded polystyrene (EPS), extruded polyethylene (XPE) and reflective foil insulation. With over 5,000 employees, we are specialists in insulation manufacturing, research and development; providing advanced energy efficiency solutions for buildings around the world.

The Knauf Insulation business in Australia supplies a wide range of glasswool and reflective foil insulation products, along with design services for any building project. With state of the art proprietary technology, we produce insulation of the very highest quality and aim to provide customer service to continually enhance industry standards.

Recognising that Australia has unique climatic conditions and therefore specific insulation requirements, Knauf Insulation provides a range of products to suit local construction methods and proven solutions to provide comfort and energy efficiency in buildings. Long term, equal value partnerships with our customers are an important part of our approach. With continual advancements in regulations for energy efficiency, acoustic performance, fire resistance and sustainable building materials, we are constantly enhancing our product range.

Australia

With international experience in high performance energy efficiency solutions for buildings, a range of innovative products and a focus on insulation, Knauf Insulation is transforming Australia's insulation industry.

UK

Knauf Insulation is the largest insulation manufacturer in the UK with four world-class factories producing glasswool, rock mineral wool and extruded polystyrene.

USA

Knauf Insulation is the leading manufacturer of quality insulation in North America providing glasswool from three modern factories.

Europe and Russia

With over 20 factories across Europe and Russia, Knauf Insulation produces glasswool, rock mineral wool and also polystyrene products to suit the specific regulations of over 30 countries.





ECOSE® Technology

The development of patented ECOSE® Technology enables Knauf Insulation to offer glasswool with superior environmental credentials, which are also in full compliance with formaldehyde-free specifications. Products made with ECOSE® Technology are more sustainable and reduce binder embodied energy up to 70%.



Compression Packaging

A major benefit of glasswool is its ability to compress and 'bounce back' when unpacked. Knauf Insulation has high ratio 'compression packaging' technology for rolls and batts which reduces transport and handling costs for distributors and installers.



'Super Soft' Handling

Glasswool is the world's most popular insulation product. The Knauf Insulation development team is dedicated to making the product even better. The 'super soft' feel of Knauf Insulation's new generation glasswool with ECOSE® Technology has resulted in an extraordinarily soft and easy to install product.



Blowing Wool

Knauf Insulation has led the development of blowing wool for upgrading the energy efficiency of existing masonry cavity walls and also for walls in new timber frame houses. Used extensively in the USA and Europe, this product will revolutionise the installation of insulation in Australia.



Recycled Glass Bottles

Glasswool from Knauf Insulation uses a high proportion of post-consumer recycled glass bottles and is one of the most sustainable types of insulation available. Each pack of glasswool from Knauf Insulation uses up to 15 recycled glass bottles.



COMMITMENT TO SUSTAINABILITY

Our Mission:

To provide products and services that conserve energy in buildings and preserve natural resources for a sustainable future.

Our Vision:

We will be a leader in providing sustainable solutions for energy efficiency, productivity and comfort in the environments in which people live and work.

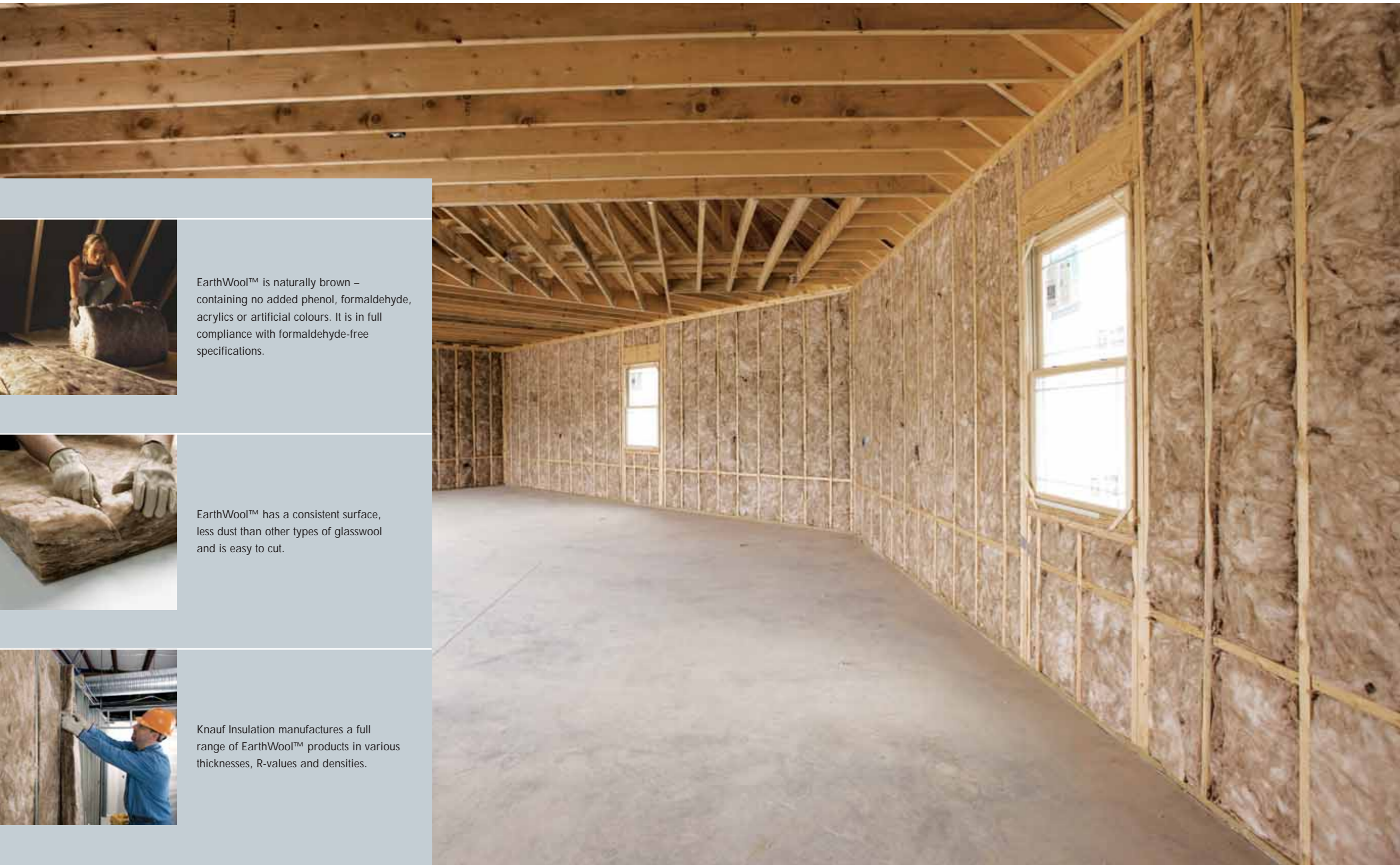
For us, sustainability means being able to meet the most important human needs of today without compromising our ability to meet the needs of tomorrow.

We view sustainability as a journey rather than a destination and are constantly researching innovations to enhance energy efficiency and reduce our impact on the environment.

Our track record is driven by innovation

Leading edge manufacturing is at the forefront of all the Knauf Insulation production locations. Our factories are equipped with the most advanced manufacturing and testing facilities in the world, supported by an ongoing research and development program.

The result is a track record for products with leading quality and consistency, exceptional thermal and acoustic performance, superior sustainability credentials, and reduced transportation and installation costs for our customers.



EarthWool™ is naturally brown – containing no added phenol, formaldehyde, acrylics or artificial colours. It is in full compliance with formaldehyde-free specifications.

EarthWool™ has a consistent surface, less dust than other types of glasswool and is easy to cut.

Knauf Insulation manufactures a full range of EarthWool™ products in various thicknesses, R-values and densities.

**Lab-tested,
Mother Nature approved.**

EarthWool™ products are BRANZ certified with AS4859.1 and in full compliance with the Building Code of Australia.

EarthWool™ products also satisfy the most stringent requirements for bio-solubility.



EarthWool™: think of it as green... only browner.

Glasswool is the most widely used insulation product throughout the world – and for many good reasons. It is non-combustible, has high thermal performance, superb sound absorption and is outstanding value for money. It's a challenge to make something this good even better – but we've done it!

Knauf Insulation's new EarthWool™ doesn't look or feel like any glasswool insulation you've ever experienced. That's because the natural brown colour represents a level of sustainability and handling never before achieved. We didn't choose brown, it just came naturally.

The unique appearance and 'super soft' feel of EarthWool™ comes from ECOSE® Technology, a revolutionary, new sustainable binder born from five years of intensive research. Made from rapidly renewable bio-based materials rather than oil-based chemicals commonly used in other insulation products, ECOSE® Technology reduces binder embodied energy by up to 70%. Improving the already exceptional environmental credentials of traditional glasswool insulation, EarthWool™ is made using recycled glass bottles and is also compression packed to reduce transport emissions and stockist storage costs. EarthWool™ does not contain added formaldehyde, artificial colours or bleach and is as good as traditional glasswool insulation – only better... naturally!



“ All of my installers prefer Knauf Insulation. We have guys in the field who refuse to use anything else because they don't get the results that they get with Knauf. It's consistent, load after load after load. It cuts better and it's less dusty. It's easier to install. It's neater and it looks better. Personally, Knauf Insulation is what I'd rather use on everything.”

“ As an insulation distributor, we rate Knauf as one of the finest suppliers we have. They provide a quality product, a good inventory and they make the distributor feel like a true partner. Whether it's the service aspect of the business or packaging the product or the glasswool itself, every year it seems to get better. And of all the manufacturers I've dealt with, the Knauf Insulation people, by far, exhibit the highest level of integrity, character and loyalty. They're just really great people. We learned a lesson from Knauf Insulation – if you treat everybody like your best customer, you're going to retain your customers for life.”

Our customers value the Knauf Insulation partnership

Builders, installers, distributors and architects around the world stand by our products. They are top quality and highly sustainable – made of recycled glass and rapidly renewable ingredients. And the handling characteristics of our products have become legendary. Our products are easy to work with, quick to recover, contain low dust and are effortless to cut – all productivity features installers really appreciate. Builders and architects know they're getting the product performance they require while their customers are getting the comfort and energy savings they deserve.

At Knauf Insulation, we have a simple philosophy – we are committed to serving our customers better than anyone else can. We achieve this through our commitment to quality, innovation and environmental responsibility. We are recognised for the strength of our marketing support and loyalty by customers around the world.

Glasswool



EarthWool™ Batts



EarthWool™ Rolls



EarthWool™ Foil Faced Rolls



Blown Glasswool

Reflective Foil



Double-sided Foil

2. Service Guidelines

As part of our commitment to exceptional customer service, we are pleased to offer the following enhancements from 1st June 2010:

- Mixed loads of EarthWool™ and SpaceFoil
- 2 day lead times (orders received prior to 10am QLD time)
- Multiple delivery points

CUSTOMER SERVICE

T (07) 3343 1989
E orders.au@knaufinsulation.com
F (07) 3343 1898

DEFINITIONS

Pack

A Pack is a single package of batts, blanket or roll. Packs are sometimes bound together in a Masterbag.



Masterbags

A Masterbag is a package of multiple rolls or batts.



SupaKube

A SupaKube is a 'cube' approximately 1300mm x 1300mm x 2400mm of one product type stacked in either multiple Masterbags or Packs (depending on the product). Note: due to dimensional constraints, foil products are loaded in the space of two SupaKubes.



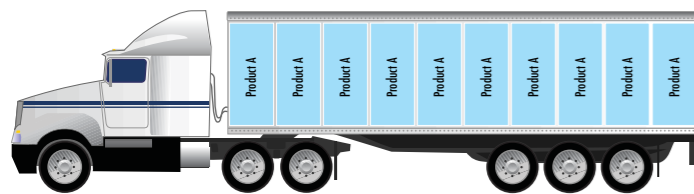
Choose a service

SERVICE OFFER 1

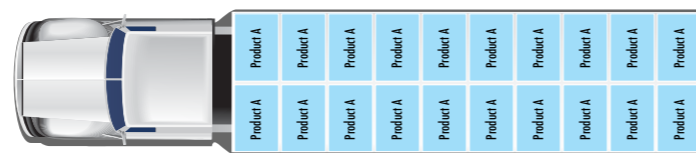
FULL LOAD SINGLE FLS

A Full Load Single is 20 x SupaKubes of the same product delivered on a 45 FT Tautliner. There are 20 x SupaKube spaces on a 45 FT Tautliner. A full load can only be delivered to one location. This offer attracts the best purchasing terms as it is a full load of the same product which means less handling.

ELEVATION VIEW



PLAN VIEW



MINIMUM DELIVERY QUANTITY

A minimum delivery quantity is a Full Load Single (FLS) or a Full Load Mixed (FLM) – 20 x SupaKubes, delivered on a 45 FT Tautliner as outlined above.

SALES INFORMATION

How to place an order

STEP 1

- Select 20 SupaKubes of product for your order. Use the Product Calculator to determine the m² of each product ordered.
- Send a Purchase Order (PO) to Knauf Insulation Customer Service by email or fax.

STEP 2

- Knauf Insulation will confirm acceptance of each order and advise a delivery date.
- Order confirmation sent via email.

STEP 3

- Delivery made 48 hours after order confirmed if order received prior to 10am QLD time.
- Full Load Single or Full Load Mixed to be delivered. Delivery receipt to be signed by the customer.

a) Product Calculator Tool: The Product Calculator is a tool to assist customers calculate the quantity of product contained in the 20 SupaKubes to be delivered on a 45 FT Tautliner (i.e. in Masterbags, Packs or m²). Please contact Customer Service for a copy of the Product Calculator in Microsoft Excel.

EXAMPLE ONLY

Product Code	Product Name	Label Description	Pkg per Masterbag	Masterbag per 45 FT	Pkg per 45 FT	Masterbag per 45 FT	To 45 FT	Area (m ²)	Weight (kg)
...



b) Mixed Load Surcharge: A fee will be charged for Full Load Mixed based on the additional requirements for handling and loading.

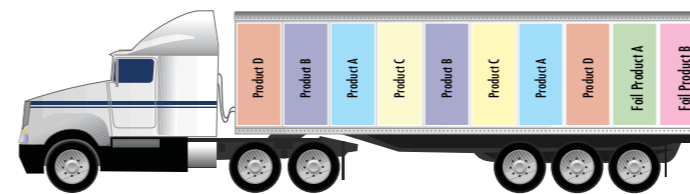
c) Transport Surcharge: A delivery fee will be calculated based on your geographic location. Delivery fees will be pre-agreed with customers prior to dispatch. This fee will vary depending on the number of delivery points you request.

SERVICE OFFER 2

FULL LOAD MIXED FLM

A Full Load Mixed is 20 x SupaKubes of multiple products delivered on a 45 FT Tautliner. This service offer provides a much higher level of service as it allows for a wide range of products to be delivered and the flexibility to have the products delivered to multiple locations. For example you could have a mix of SpaceFoil and EarthWool™ products delivered to two or three different locations. There are 20 x SupaKube spaces on a 45 FT Tautliner. This offer attracts a small surcharge due to additional handling and multiple drop points.

ELEVATION VIEW



PLAN VIEW



MINIMUM ORDER QUANTITY

A minimum order quantity of any EarthWool™ product is a single SupaKube of product. A minimum order quantity of any SpaceFoil product is 2 x pallets which is 4 x SupaKube spaces on a 45 FT Tautliner.

d) Delivery Lead Times, Process & Loading of Tautliner:

All deliveries are made within 48 hours after the order is confirmed – as long as the order is received prior to 10am (QLD time).

- Urgent deliveries will be priced on application (POA). An urgent delivery is a delivery which is required within 24 hours of the order and may incur an additional transport surcharge.
- Once the order is received and confirmed, Customer Service will contact you to confirm delivery details.
- Deliveries are conducted Monday to Friday during normal business hours.
- It is not standard policy to deliver on weekends however for urgent weekend requests they will be subject to availability and priced on application (POA).
- Cash customers are to have paid 72 hours prior to delivery.

e) Split Delivery: Split deliveries for two locations must be within 100km of each other (road distance).

Split deliveries for three locations must be within 50km of each other (road distance).

f) Restocking: When this service is offered, a fee of 50% of the invoice price will be charged plus the cost of transport. Please contact Knauf Insulation Customer Service for further information.

- Products being returned must be in the original condition.
- Collection must be requested within two weeks of the original delivery being made.

g) Unloading Responsibilities: It is the responsibility of the customers to unload the Tautliner in a timely manner. Additional charges may be charged if a truck must wait in excess of 30 minutes.

h) Order Confirmations & Invoices: All orders must be accompanied by a formal Purchase Order. We will provide a written or email confirmation of your order. We ask that you check all order confirmation details you receive carefully as they will reflect what appears on the invoice you receive. We ask that any queries you may have are immediately directed to our Customer Service team.

- Should you have any queries regarding your invoice or any fees you must contact us within 48 hours of its receipt.

i) Customer Collections: This service is not offered. All orders are delivered to site.

j) Cancelling Your Order: For all orders where loading has commenced the order cannot be cancelled without incurring a charge of \$300.

For all orders where delivery has commenced the order cannot be cancelled without incurring the full delivery cost.

k) Customer Service & Sales: Information regarding your orders and details of dispatches can be obtained from Customer Service between the hours of 8.30am – 5pm Monday to Friday.

Please contact us on:

Telephone: (07) 3343 1989
Email: orders.au@knaufinsulation.com or
Fax (07) 3343 1898

l) Technical Advisory Centre: Knauf Insulation provides comprehensive technical support to assist insulation stockists, specifiers and users. Expert staff will be pleased to provide further information and advice on all aspects of Knauf Insulation products and applications. Please contact us on:

Telephone: (07) 3343 1989
Email: tech.au@knaufinsulation.com or
Fax (07) 3343 1898

m) Literature and Samples: A comprehensive range of literature is available on our website: www.knaufinsulation.com.au Alternatively literature and samples may be requested by calling (07) 3343 1989.

GENERAL INFORMATION
www.knaufinsulation.com.au
www.feelgoodinsulation.com.au

3.1 EarthWool™ Rolls & Batts – Ceilings (for thermal applications in buildings)

Knauf Insulation EarthWool™ is a new generation of 'super soft' and highly sustainable glasswool available in either 'batts' or 'rolls'. EarthWool™ is thermally efficient and cost effective in saving energy and providing increased comfort in ceilings. EarthWool™ also reduces unwanted noise from outside the home.



3.1.1 Price Sheet – Batts

Batts for Ceilings

Batts are the traditional insulation product for ceilings, supplied in pre-cut rectangles at either 430mm or 580mm widths to suit the most common ceiling joist centres. EarthWool™ Batts are recommended for installation from either below ceiling joists (i.e. within the room) or from above ceiling joists (i.e. within the ceiling space).

Ceiling & Floor Batts	Product Code	R-Value	Thickness (mm)	Width (mm)	Length (mm)	Pieces per Pack	m ² /Pack	\$/m ² (Excl GST)	Packs per Masterbag	Masterbags per SupaKube
	AZ11EV	2.5	125	430	1160	30	14.96	\$5.63	5	5
	AZ12E			580	1160	30	20.18	\$5.63	4	4
	AZ13EV	3.0	145	430	1160	23	11.47	\$6.44	5	5
	AZ14E			580	1160	23	15.47	\$6.44	4	4
	AZ17EV	3.5	175	430	1160	21	10.47	\$7.26	5	5
	AZ18E			580	1160	21	14.13	\$7.26	4	4
	AZ21EV	4.0	195	430	1160	18	8.98	\$8.45	5	5
	AZ22E			580	1160	18	12.11	\$8.45	4	4
	AZ23EV	5.0	210	430	1160	11	5.49	\$12.75	5	5
	AZ24E			580	1160	11	7.40	\$12.75	4	4
	AZ25EV	6.0	275	430	1160	12	5.99	\$15.40	5	5
	AZ26E			580	1160	12	8.07	\$15.40	4	4

Minimum Order: 1 SupaKube of each Product Code as part of a 20 SupaKube mixed load delivery – refer to Service Guidelines for more information.



Data Sheet – Batts

Description

Knauf Insulation EarthWool™ Batts are made from highly resilient, inorganic glass fibres bonded by ECOSE® Technology, a revolutionary new binder based on rapidly renewable bio-based materials rather than non-renewable petroleum-based chemicals. ECOSE® Technology reduces Knauf Insulation binder embodied energy and contains no phenol, formaldehyde, acrylics or artificial colours found in traditional glasswool insulation.

Application

Knauf Insulation EarthWool™ Batts provide a cost-effective thermal and acoustic barrier for energy-efficient construction. The batts' consistent quality, low dust, and clean-cutting resilient fibres make fabrication easy and installation fast. EarthWool™ Batts can be used in timber and metal frame applications in residential structures. These applications include thermal and acoustic treatments to walls, ceilings and floors.

Knauf Insulation offers EarthWool™ in a wide range of sizes and R-values. EarthWool™ insulation can be used for cavity walls, floors, ceilings, attics, basements and crawlspaces. It is highly resilient, recovering quickly to full thickness. It also greatly reduces the transmission of noise in the home.

Features and Benefits

Proven Performance

- Preferred by professional installers concerned with quality, appearance and productivity.
- Excellent acoustical properties reduce sound transmission in the home when properly installed in walls, ceiling and floor systems.

Superior Handling

- Highly resilient insulation recovers quickly to full thickness for a snug fit and superior finished aesthetics.
- Consistent quality materials feel good, cut easily and install fast.
- Low dust for easier handling and increased productivity.

Convenient Packaging, Easier Handling

- Knauf Insulation EarthWool™ batt insulation is packaged in a strong, white poly bag that offers excellent protection from abuse, dust and moisture.
- EarthWool™ packages feature easy to follow installation instructions.
- Master bag batt units (containing multiple packs) ensure reduced handling costs with improved compression – more square metres per bag, more square metres per truck load, fewer trips to the job site and less warehouse space for storage.
- EarthWool™ is designed to expand to the specified thickness for months after sale, however, performance may be reduced if it is stored too long in its compressed package.

Superior Service and Support

- Knauf Insulation is focused on providing first class customer service, producing high quality products and 'in full on time deliveries'.
- Knauf Insulation recognises the need to establish, develop and support a professional network of distributors and re-sellers in order to service a growing insulation market.
- Knauf Insulation is committed to providing a comprehensive range of relevant sales and marketing literature and web-based technical information to support specifiers and customers.

Specification Compliance

- AS/NZS 4859.1: 2002 Materials used in the Thermal Insulation of Buildings and comply with the Building Code of Australia (BCA) requirements.

Thermal Conductivity

- ASTM C 518

Thermal Resistance

- ASTM C 653

Bio-solubility

Glasswool insulation fibres have been tested in laboratory studies according to EC protocols ECB/TM27 REV. 7, 1998 and shown to be bio-soluble. KNS3 fibres comply with the short term biopersistence test and fulfil the requirements of Australian and international authorities on bio-solubility.

Technical Data

Water Vapour Absorption (ASTM C 1104)

- Less than 5% by weight.

Corrosion Resistance (ASTM C 665)

- No greater than sterile cotton.

Microbial Growth (ASTM C 1338)

- Does not support microbial growth.

Fire Resistance (ASTM E 136)

- Non-combustible.



3.1.2 Price Sheet – Rolls

Rolls for Ceilings

Rolls are the fastest and most efficient product for insulating ceilings, supplied as 'long pieces' at either 430mm or 580mm widths to suit the most common ceiling joist centres. The diameter of the pack enables easy handling through ceiling hatches and there are fewer 'butt joints' making the installation more energy efficient.

Ceiling Rolls	Product Code	R-Value	Thickness (mm)	Width (mm)	Length (mm)	Pieces per Pack	m ² /Pack	\$/m ² (Excl GST)	Packs per Masterbag	Masterbags per SupaKube
	AZ51EV	2.5	125	1290 (3 x 430)	8150	3	10.50	POA*	4	6
	AZ52E			1160 (2 x 580)	8150	2	9.40	POA*	4	6
	AZ53EV	3.0	140	1290 (3 x 430)	7050	3	9.09	\$6.44	4	6
	AZ54E			1160 (2 x 580)	7050	2	8.18	\$6.44	4	6
	AZ55EV	3.5	160	1290 (3 x 430)	6180	3	7.97	\$7.26	4	6
	AZ56E			1160 (2 x 580)	6180	2	7.17	\$7.26	4	6
	AZ57EV	4.0	185	1290 (3 x 430)	5330	3	6.88	\$8.45	4	6
	AZ58E			1160 (2 x 580)	5330	2	6.18	\$8.45	4	6
	AZ59EV	5.0	205	1290 (3 x 430)	3500	3	4.50	POA*	4	6
AZ60E	1160 (2 x 580)			3500	2	4.10	POA*	4	6	

* Price on Application

Minimum Order: 1 SupaKube of each Product Code as part of a 20 SupaKube mixed load delivery – refer to Service Guidelines for more information.



Data Sheet – Rolls

Description

Knauf Insulation EarthWool™ Rolls are made from highly resilient, inorganic glass fibres bonded by ECOSE® Technology, a revolutionary new binder based on rapidly renewable bio-based materials rather than non-renewable petroleum-based chemicals. ECOSE® Technology reduces Knauf Insulation binder embodied energy and contains no phenol, formaldehyde, acrylics or artificial colours found in traditional glasswool insulation.

Application

Knauf Insulation EarthWool™ Rolls provide a cost-effective thermal and acoustic barrier for energy-efficient construction. The rolls' consistent quality, low dust, and clean-cutting resilient fibres make fabrication easy and installation fast. EarthWool™ Batts can be used in timber and metal frame applications in residential structures. These applications include thermal and acoustic treatments to walls, ceilings and floors.

Knauf Insulation offers EarthWool™ in a wide range of sizes and R-values. EarthWool™ Rolls are specifically designed for simple and fast installation in ceilings and attics. Rolls are highly resilient, recovering quickly to full thickness, and also greatly reduce the transmission of noise in the home.

Specification Compliance

- AS/NZS 4859.1: 2002 Materials used in the Thermal Insulation of Buildings and comply with the Building Code of Australia (BCA) requirements.

Thermal Conductivity

- ASTM C 518

Thermal Resistance

- ASTM C 653

Bio-solubility

Glasswool insulation fibres have been tested in laboratory studies according to EC protocols ECB/TM27 REV. 7, 1998 and shown to be bio-soluble. NK 8340 fibres comply with the short term biopersistence test and fulfil the requirements of Australian and international authorities on bio-solubility.

Technical Data

Water Vapour Absorption (ASTM C 1104)

- Less than 5% by weight.

Corrosion Resistance (ASTM C 665)

- No greater than sterile cotton.

Microbial Growth (ASTM C 1338)

- Does not support microbial growth.

Fire Resistance (ASTM E 136)

- Non-combustible.



Features and Benefits

Proven Performance

- Preferred by professional installers concerned with quality, appearance and productivity.
- Excellent acoustical properties reduce sound transmission in the home when properly installed in walls, ceiling and floor systems.

Superior Handling

- Highly resilient insulation recovers quickly to full thickness for a snug fit and superior finished aesthetics.
- Consistent quality materials feel good, cut easily and install fast.
- Low dust for easier handling and increased productivity.

Convenient Packaging, Easier Handling

- Knauf Insulation EarthWool™ roll insulation is packaged in strong plastic that offers excellent protection from abuse, dust and moisture.
- EarthWool™ packages feature easy to follow installation instructions.
- Master bag roll units (containing multiple rolls) ensure reduced handling costs with improved compression – more square metres per pack, more square metres per truck load, fewer trips to the job site and less warehouse space for storage.
- Earthwool™ is designed to expand to the specified thickness for months after sale, however, performance may be reduced if it is stored too long in its compressed package.

Superior Service and Support

- Knauf Insulation is focused on providing first class customer service, producing high quality products and 'in full on time deliveries'.
- Knauf Insulation recognises the need to establish, develop and support a professional network of distributors and re-sellers in order to service a growing insulation market.
- Knauf Insulation is committed to providing a comprehensive range of relevant sales and marketing literature and web-based technical information to support specifiers and customers.



3.2 EarthWool™ Batts – Walls (for thermal applications in buildings)

Knauf Insulation EarthWool™ is a new generation of ‘super soft’ and highly sustainable glasswool. It is thermally efficient and cost effective in saving energy and providing increased comfort in buildings. EarthWool™ also reduces unwanted noise from outside the home and limits sound transmission from room to room.



3.2.1 Price Sheet – Batts

Wall Batts

Batts are the traditional insulation product for insulating external walls and are available in thicknesses to suit 75mm and 90mm timber and metal frames. Unlike reflective foil, glasswool batts prevent heat gain in summer and heat loss in winter by countering convection, conduction and radiation.

Knauf Insulation also offers ‘high performance’ (HP) EarthWool™ wall batts which have higher density and lower thermal conductivity to maximise energy savings in more modern homes.

Wall Batts	Product Code	R-Value	Thickness (mm)	Width (mm)	Length (mm)	Pieces per Pack	m ² /Pack	\$/m ² (Excl GST)	Packs per Masterbag	Masterbags per SupaKube
Timber Frame	AZ01EV	1.5	75	430	1160	42	20.95	\$3.62	5	5
	AZ02E			580	1160	42	28.26	\$3.62	4	4
	AZ27EV	2.0	75	430	1160	20	9.98	\$6.29	5	5
	AZ28E			580	1160	20	13.46	\$6.29	4	4
	AZ03EV	2.0	90	430	1160	32	15.96	\$4.78	5	5
	AZ04E			580	1160	32	21.53	\$4.78	4	4
	AZ05EV	2.5 HP*	90	430	1160	14	6.98	\$9.12	5	5
	AZ06E			580	1160	14	9.42	\$9.12	4	4
Metal Frame	AZ07EV	1.5	75	450	1200	42	22.68	\$3.62	5	5
	AZ08E			600	1200	42	30.24	\$3.62	4	4
	AZ29EV	2.0	75	450	1200	20	10.80	\$6.29	5	5
	AZ30E			600	1200	20	14.40	\$6.29	4	4
	AZ09EV	2.0	90	450	1200	32	17.28	\$4.78	5	5
	AZ10E			600	1200	32	23.04	\$4.78	4	4

* HP = High Performance

Minimum Order: 1 SupaKube of each Product Code as part of a 20 SupaKube mixed load delivery – refer to Service Guidelines for more information.



Data Sheet – Batts

Description

Knauf Insulation EarthWool™ Batts are made from highly resilient, inorganic glass fibres bonded by ECOSE® Technology, a revolutionary new binder based on rapidly renewable bio-based materials rather than non-renewable petroleum-based chemicals. ECOSE® Technology reduces Knauf Insulation binder embodied energy and contains no phenol, formaldehyde, acrylics or artificial colours found in traditional glasswool insulation.

Application

Knauf Insulation EarthWool™ Batts provide a cost-effective thermal and acoustic barrier for energy-efficient construction. The batts’ consistent quality, low dust, and clean-cutting resilient fibres make fabrication easy and installation fast. EarthWool™ Batts can be used in timber and metal frame applications in residential structures. These applications include thermal and acoustic treatments to walls, ceilings and floors.

Knauf Insulation offers EarthWool™ in a wide range of sizes and R-values. EarthWool™ insulation can be used for cavity walls, floors, ceilings, attics, basements and crawlspaces. It is highly resilient, recovering quickly to full thickness. It also greatly reduces the transmission of noise in the home.

Features and Benefits

Proven Performance

- Preferred by professional installers concerned with quality, appearance and productivity.
- Excellent acoustical properties reduce sound transmission in the home when properly installed in walls, ceiling and floor systems.

Superior Handling

- Highly resilient insulation recovers quickly to full thickness for a snug fit and superior finished aesthetics.
- Consistent quality materials feel good, cut easily and install fast.
- Low dust for easier handling and increased productivity.

Convenient Packaging, Easier Handling

- Knauf Insulation EarthWool™ batt insulation is packaged in a strong, white poly bag that offers excellent protection from abuse, dust and moisture.
- EarthWool™ packages feature easy to follow installation instructions.
- Master bag batt units (containing multiple packs) ensure reduced handling costs with improved compression – more square metres per bag, more square metres per truck load, fewer trips to the job site and less warehouse space for storage.
- Earthwool™ is designed to expand to the specified thickness for months after sale, however, performance may be reduced if it is stored too long in its compressed package.

Superior Service and Support

- Knauf Insulation is focused on providing first class customer service, producing high quality products and ‘in full on time deliveries’.
- Knauf Insulation recognises the need to establish, develop and support a professional network of distributors and re-sellers in order to service a growing insulation market.
- Knauf Insulation is committed to providing a comprehensive range of relevant sales and marketing literature and web-based technical information to support specifiers and customers.

Specification Compliance

- AS/NZS 4859.1: 2002 Materials used in the Thermal Insulation of Buildings and comply with the Building Code of Australia (BCA) requirements.

Thermal Conductivity

- ASTM C 518

Thermal Resistance

- ASTM C 653

Bio-solubility

Glasswool insulation fibres have been tested in laboratory studies according to EC protocols ECB/TM27 REV. 7, 1998 and shown to be bio-soluble. KNS3 fibres comply with the short term biopersistence test and fulfil the requirements of Australian and international authorities on bio-solubility.

Technical Data

Water Vapour Absorption (ASTM C 1104)

- Less than 5% by weight.

Corrosion Resistance (ASTM C 665)

- No greater than sterile cotton.

Microbial Growth (ASTM C 1338)

- Does not support microbial growth.

Fire Resistance (ASTM E 136)

- Non-combustible.



3.3 EarthWool™ Blanket – Roofs (for thermal applications in buildings)

Knauf Insulation EarthWool™ Blankets are an ideal solution for thermal and acoustic insulation of both residential and commercial roofs. Condensation control can be achieved when the product is faced with a foil of the appropriate duty classification.



3.3.1 Price Sheet – Blanket (unfaced)

Blanket Plain	Product Code	Thickness (mm)	R-Value	Dimensions (mm)	Pieces per Pack	m ² /Pack	\$/m ² (Excl GST)	Packs per Masterbag	Masterbags per SupaKube
	L131237	55	1.3	1200 x 37000	1	44.4	\$3.26	3	TBA
	L131218	55	1.3	1200 x 18500	2	44.4	\$3.26	3	TBA
	L141229	60	1.5	1200 x TBA	1	TBA	\$3.56	3	TBA
	L141214	60	1.5	1200 x TBA	2	TBA	\$3.56	3	TBA
	L181226	75	1.8	1200 x 26000	1	31.2	\$4.66	3	TBA
	L181213	75	1.8	1200 x 13000	2	31.2	\$4.66	3	TBA
	L231222	100	2.3	1200 x 22000	1	26.4	\$5.43	3	TBA
	L231221	100	2.3	1200 x 11000	2	26.4	\$5.43	3	TBA

3.3.2 Price Sheet – Blanket (foil faced)

Blanket with Light Duty Foil	Product Code	Thickness (mm)	R-Value	Dimensions (mm)	Pieces per Pack	m ² /Pack	\$/m ² (Excl GST)	Packs per SupaKube
	LD131215	60	1.5	1200 x 15000	1	18.0	POA*	TBA
	LD181215	75	1.8	1200 x 15000	1	18.0	POA*	TBA
	LD231210	110	2.5	1200 x 10000	1	12.0	POA*	TBA
	LD281210	130	2.8	1200 x TBA	1	TBA	POA*	TBA
	LD131161	60	1.5	1160 x 6180	1	7.16	POA*	TBA
	LD181161	75	1.8	1160 x 6180	1	7.16	POA*	TBA
	LD231161	110	2.5	1160 x 6180	1	7.16	POA*	TBA
	LD281161	130	2.8	1160 x 6180	1	7.16	POA*	TBA
	LD131261	60	1.5	1290 x 6180	1	7.97	POA*	TBA
	LD181261	75	1.8	1290 x 6180	1	7.97	POA*	TBA
	LD231261	110	2.5	1290 x 6180	1	7.97	POA*	TBA
	LD281261	130	2.8	1290 x 6180	1	7.97	POA*	TBA

Blanket with Heavy Duty Foil	Product Code	Thickness (mm)	R-Value	Dimensions (mm)	Pieces per Pack	m ² /Pack	\$/m ² (Excl GST)	Packs per SupaKube
	HD131215	60	1.5	1200 x 15000	1	18.0	POA*	TBA
	HD181215	75	1.8	1200 x 15000	1	18.0	POA*	TBA
	HD231210	110	2.5	1200 x 10000	1	12.0	POA*	TBA
	HD281210	130	2.8	1200 x TBA	1	TBA	POA*	TBA
	HD131161	60	1.5	1160 x 6180	1	7.16	POA*	TBA
	HD181161	75	1.8	1160 x 6180	1	7.16	POA*	TBA
	HD231161	110	2.5	1160 x 6180	1	7.16	POA*	TBA
	HD281161	130	2.8	1160 x 6180	1	7.16	POA*	TBA
	HD131261	60	1.5	1290 x 6180	1	7.97	POA*	TBA
	HD181261	75	1.8	1290 x 6180	1	7.97	POA*	TBA
	HD231261	110	2.5	1290 x 6180	1	7.97	POA*	TBA
	HD281261	130	2.8	1290 x 6180	1	7.97	POA*	TBA

* Price on Application

Minimum Order: 1 SupaKube of each Product Code as part of a 20 SupaKube mixed load delivery – refer to Service Guidelines for more information.



Data Sheet

Description

Knauf Insulation EarthWool™ Blankets are for thermal and acoustical applications. They are made from highly resilient, inorganic glass fibres bonded by ECOSE® Technology, a revolutionary new binder based on rapidly renewable bio-based materials rather than non-renewable petroleum-based chemicals. ECOSE® Technology reduces Knauf Insulation binder embodied energy and contains no phenol, formaldehyde, acrylics or artificial colours found in traditional glasswool insulation.

Application

Knauf Insulation EarthWool™ Blankets provide a cost-effective thermal and acoustic barrier for energy-efficient construction. Their consistent quality, low dust, and clean-cutting resilient fibres make fabrication easy and installation fast.

Knauf Insulation EarthWool™ Blankets can be used in new and retrofit applications in residential and commercial structures, as well as in off or on-site manufactured housing. These applications include thermal and acoustic treatments to metal and roof tile applications.

Specification Compliance

- AS/NZS 4859.1: 2002 Materials used in the Thermal Insulation of Buildings and comply with the Building Code of Australia (BCA) requirements.

Thermal Conductivity

- ASTM C 518

Thermal Resistance

- ASTM C 653

Bio-solubility

Glasswool insulation fibres have been tested in laboratory studies according to EC protocols ECB/TM27 REV. 7, 1998 and shown to be bio-soluble. KNS3 fibres comply with the short term biopersistence test and fulfil the requirements of Australian and international authorities on bio-solubility.

Technical Data

Water Vapour Absorption (ASTM C 1104)

- Less than 5% by weight.

Corrosion Resistance (ASTM C 665)

- No greater than sterile cotton.

Microbial Growth (ASTM C 1338)

- Does not support microbial growth.

Fire Resistance (ASTM E 136)

- Non-combustible.



Features and Benefits

Proven Performance

- Preferred by professional installers concerned with quality, appearance and productivity.
- Excellent acoustical properties reduce sound transmission when properly installed in roof systems.
- Foil-faced roofing rolls provide condensation control.

Superior Handling

- Highly resilient insulation recovers quickly to full thickness for a snug fit and superior finished aesthetics.
- Consistent quality materials feel good, cut easily and install fast.
- Low dust for easier handling and increased productivity.

Convenient Packaging, Easier Handling

- Knauf Insulation EarthWool™ Roof Blanket is packaged in a strong poly bag that offers excellent protection from abuse, dust and moisture.
- Our packages feature easy to follow installation instructions.
- Earthwool™ is designed to expand to the specified thickness for months after sale, however, performance may be reduced if it is stored too long in its compressed package.

Superior Service and Support

- Knauf Insulation is focused on providing first class customer service, producing high quality products and 'in full on time deliveries'.
- Knauf Insulation recognises the need to establish, develop and support a professional network of distributors and re-sellers in order to service a growing insulation market.
- Knauf Insulation is committed to providing a comprehensive range of relevant sales and marketing literature and web-based technical information to support specifiers and customers.



3.4 EarthWool™ Rolls & Batts – Internal Partitions (for acoustic applications in buildings)

Knauf Insulation EarthWool™ is a new generation of 'super soft' and highly sustainable glasswool available in both 'Rolls' and 'Batts'. EarthWool™ provides an excellent acoustical solution for residential and commercial buildings. These products reduce unwanted noise from outside and limit sound transmission from room to room or office to office. They provide a cost-effective acoustic barrier, including treatments to walls, ceilings and floor assemblies. Installation of EarthWool™ products is very easy, due to the superior quality, low dust and friendly feel.



3.4.1 Price Sheet – Batts

Sound Control Batts	Product Code	Thickness (mm)	Density (kg/m³)	R-Value	Width (mm)	Length (mm)	Pieces per Pack	m²/Pack	\$/m² (Excl GST)	Packs per Masterbag	Masterbags per SupaKube
Timber Frame	50430E14K	50	14	1.3	430	1160	38	18.95	\$3.66	5	5
	50580E14K				580	1160	38	25.57	\$3.66	4	4
	75430E14K	75	14	1.9	430	1160	24	11.97	\$4.99	5	5
	75580E14K				580	1160	24	16.15	\$4.99	4	4
Metal Frame	50450E14K	50	14	1.3	450	1160	38	19.84	\$3.66	5	5
	50600E14K				600	1160	38	26.45	\$3.66	4	4
	75450E14K	75	14	1.9	450	1160	24	12.53	\$4.99	5	5
	75600E14K				600	1160	24	16.70	\$4.99	4	4

Insulation Recommendations for Internal Walls	Application	Rw + Ctr	Rw	Knauf Insulation	Wall Construction
Detached Residential Dwellings	Internal walls to rooms not containing home theatre or sound systems	NA	38	75mm EarthWool™ Sound Control Batts	Single timber stud frame with 10-13mm plasterboard lining each side
	Internal walls to rooms with home theatre or sound systems	NA	50+	75mm EarthWool™ Sound Control Batts	Double stud timber frame wall with 13-16mm plasterboard lining to each face; or Staggered stud timber frame wall with 16mm plasterboard lining to each face
Selected Walls Table 2 Deemed-to-Satisfy BCA Provisions	BCA Compliant Acoustic Wall	–	45	50mm EarthWool™ Sound Control Batts	One row of 64mm steel studs with: (a) one layer of 16mm fire-protective grade plasterboard fixed to one face; and (b) 50mm 14kg/m³ Knauf EarthWool™ batts positioned between the studs; and (c) two layers of fire-protective grade plasterboard fixed to other face, the inner layer being 16mm and the outer layer being 13mm
	BCA Compliant Acoustic Wall	–	50	50mm EarthWool™ Sound Control Batts	One row of 92mm steel studs with: (a) 50mm 14kg/m³ Knauf EarthWool™ batts positioned between studs; and (b) two layers of 13mm fire-protective grade plasterboard or one layer of 6mm fibre cement sheet and one layer of 13mm fire-protective grade plasterboard, fixed to each face
	BCA Compliant Acoustic Wall	50	50	50mm EarthWool™ Sound Control Batts	Two rows of 90x35mm timber studs or two rows of 64mm steel studs at 600mm centres with: (a) an air gap not less than 20mm between the rows of studs; and (b) 50mm 14kg/m³ Knauf EarthWool™ batts positioned between one row of studs; and (c) two layers of 13mm fire-protective grade plasterboard or one layer of 6mm fibre cement sheet and one layer of 13mm fire-protective grade plasterboard, fixed to outside face of studs

Minimum Order: 1 SupaKube of each Product Code as part of a 20 SupaKube mixed load delivery – refer to Service Guidelines for more information.

3.4.2 Price Sheet – Rolls

Acoustic Partition Rolls	Product Code	Thickness (mm)	Width (mm)	Length per Roll (mm)	Rolls per Pack	m²/Pack	\$/m² (Excl GST)	Packs per Masterbag	Masterbags per SupaKube
	L651216A	65	1220	16200	2	19.76	\$4.04	4	6
	L751213A	75	1220	13500	2	16.47	\$4.66	4	6

Minimum Order: 1 SupaKube of each Product Code as part of a 20 SupaKube mixed load delivery – refer to Service Guidelines for more information.

Data Sheet

Description

Knauf Insulation EarthWool™ Sound Control Batts are made from highly resilient, inorganic glass fibres bonded by ECOSE® Technology, a revolutionary new binder based on rapidly renewable bio-based materials rather than non-renewable petroleum-based chemicals. ECOSE® Technology reduces Knauf Insulation binder embodied energy and contains no phenol, formaldehyde, acrylics or artificial colours found in traditional glasswool insulation.

Application

Knauf Insulation EarthWool™ Batts provide a cost-effective thermal and acoustic barrier for energy-efficient construction. The batts' consistent quality, low dust and clean-cutting resilient fibres make fabrication easy and installation fast.

Light Commercial Applications

Knauf Insulation EarthWool™ is available in a range of thicknesses. EarthWool™ can improve Rw ratings in wood stud construction by 3 to 5 points and in metal stud construction by 8 to 10 points, depending on the complexity of the wall configuration and the thickness/density of the insulation. EarthWool™ can be used for exterior and interior walls, floors, crawlspaces and a variety of ceiling applications.

Features and Benefits

Proven Performance

- Excellent acoustical properties reduce sound transmission when properly installed in walls, ceiling and floor systems.
- Preferred by professional installers concerned with quality, appearance and productivity.

Superior Handling

- Highly resilient insulation recovers quickly to full thickness for a snug fit and superior finished aesthetics.
- Consistent quality materials feel good, cut easily and install fast.
- Low dust for easier handling and increased productivity.

Convenient Packaging, Easier Handling

- Knauf Insulation EarthWool™ batt insulation is packaged in a strong, white poly bag that offers excellent protection from abuse, dust and moisture.
- EarthWool™ packages feature easy to follow installation instructions.
- Master bag units (containing multiple packs) ensure reduced handling costs with improved compression – more square metres per bag, more square metres per truck load, fewer trips to the job site and less warehouse space for storage.
- Earthwool™ is designed to expand to the specified thickness for months after sale, however, performance may be reduced if it is stored too long in its compressed package.

Superior Service and Support

- Knauf Insulation is focused on providing first class customer service, producing high quality products and 'in full on time deliveries'.
- Knauf Insulation recognises the need to establish, develop and support a professional network of distributors and re-sellers in order to service a growing insulation market.
- Knauf Insulation is committed to providing a comprehensive range of relevant sales and marketing literature and web-based technical information to support specifiers and customers.

Specification Compliance

- AS/NZS 4859.1: 2002 Materials used in the Thermal Insulation of Buildings and comply with the Building Code of Australia (BCA) requirements.

Thermal Conductivity

- ASTM C 518

Thermal Resistance

- ASTM C 653

Bio-solubility

Glasswool insulation fibres have been tested in laboratory studies according to EC protocols ECB/TM27 REV. 7, 1998 and shown to be bio-soluble. KNS3 fibres comply with the short term biopersistence test and fulfil the requirements of Australian and international authorities on bio-solubility.

Technical Data

Water Vapour Absorption (ASTM C 1104)

- Less than 5% by weight.

Corrosion Resistance (ASTM C 665)

- No greater than sterile cotton.

Microbial Growth (ASTM C 1338)

- Does not support microbial growth.

Fire Resistance (ASTM E 136)

- Non-combustible.



3.5 EarthWool™ Rolls & Batts (for HVAC applications)

Price Sheet

Knauf Insulation EarthWool™ Duct Wrap

EarthWool™ is a new generation of 'super soft' and highly sustainable glasswool and an ideal solution for external duct insulation. Condensation control can be achieved when the product is faced with a foil of the appropriate duty classification.



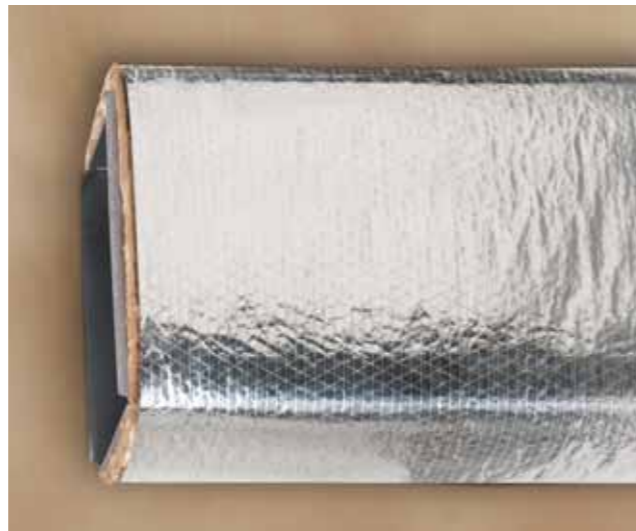
Duct Wrap	Product Code		Thickness (mm)	Density (kg/m³)	Width (mm)	Length (mm)	m²/Pack	\$/m² (Excl GST)
	Nude	22K251240		25	22	1200	40000	48.0
22K381227		38	22	1200	27000	32.4	POA*	
22K501220		50	22	1200	20000	24.0	POA*	
MD ¹ Foil (1350mm)	22DW25MD		25	22	1200	15000	18.0	POA*
	22DW38MD		38	22	1200	15000	18.0	POA*
	22DW50MD		50	22	1200	15000	18.0	POA*
HD ¹ Foil (1350mm)	22DW25HD		25	22	1200	15000	18.0	POA*
	22DW38HD		38	22	1200	15000	18.0	POA*
	22DW50HD		50	22	1200	15000	18.0	POA*

* Price on Application

¹ MD = Medium Duty ¹ HD = Heavy Duty

All faced product can be supplied cut-to-length. Products are AS/NZS 4859.1 compliant. All prices are subject to our Terms & Conditions on Page 28.

Minimum Order: 1 SupaKube of each Product Code as part of a 20 SupaKube mixed load delivery – refer to Service Guidelines for more information.



Shouldn't all insulation
feel this good?
kn' oath!



- Naturally brown and naturally better for the environment
- A new 'super soft' feel creating a friendlier type of insulation
- Made using recycled glass bottles, natural ingredients and no added formaldehyde
- Reliable thermal and acoustic performance
- Warranted for the life of the building
- Available in rolls and batts
- Non combustible

The world of insulation has changed in Australia and Knauf Insulation is adding the feel good factor.

For more information please visit

www.feelgoodinsulation.com.au and www.knaufinsulation.com.au

Ref: ETT93909

EARTHWOOL
the feel good insulation

KNAUF INSULATION
it's time to save energy

3.6 SpaceFoil – Reflective Foil Insulation

Price Sheet

Knauf Insulation Reflective Foil Wallwrap and Sarking

Knauf Insulation offers a range of reflective foil products for wrapping external timber frame walls to prevent internal heat gain from radiated sunlight. The range includes separate reflective foil products for use as a 'vapour control layer' or as a 'breathable layer' and also has options for either light or heavy duty depending on site conditions.

For maximum energy efficiency and to prevent heat gain in summer and heat loss in winter through convection and conduction, Knauf Insulation recommends the use of reflective foil with bulk insulation such as EarthWool™.

Knauf Insulation reflective foil tile underlay products for roofs prevent internal heat gain from radiated sunlight. The product is available in light or heavy duty depending on site conditions.

Foil Side	Description	Price List Code	Width	m/Roll	m ² /Roll	kg/Roll	Rolls per Pallet	Duty Classification	
Knauf SpaceFoil - Multi Use	Single sided Heavy duty foil paperless	WHD13560	1350	60	81	16	60	AS/NZS 4200.1 Heavy Duty	
		WHD15030	1500	30	45	8.9	105		
Knauf SpaceFoil - Wall	Single sided	Breather heavy duty paperless	WHD13560B	1350	60	81	60	AS/NZS 4200.1 Heavy Duty	
	Single sided	Breather medium duty paperless	WMD13560B	1350	60	81	68	AS/NZS 4200.1 Medium Duty	
	Double sided	Breather light duty foil with paper	WLD13560B	1350	60	81	60	AS/NZS 4200.1 Light Duty	
	Single sided	Heavy duty foil paperless	WHD13560	1350	60	81	16	60	AS/NZS 4200.1 Heavy Duty
			WHD15030	1500	30	45	8.9	105	
	Single sided	Heavy duty foil paperless – antiglare	WHD13560A	1350	68	81	16	60	AS/NZS 4200.1 Heavy Duty
			WHD1530A	1500	30	45	8.9	105	
	Single sided	Medium duty foil paperless – antiglare	WMD13560A	1350	60	81	14.5	68	AS/NZS 4200.1 Medium Duty
	Single sided	Extra heavy duty foil paperless – antiglare	WED13560A	1350	60	81	16	60	AS/NZS 4200.1 Extra Heavy Duty
	Single sided	Medium duty foil paperless	WMD13560	1350	60	81	14.5	68	AS/NZS 4200.1 Medium Duty
Single sided	Extra heavy duty foil paperless	WED13560	1350	60	81	16	60	AS/NZS 4200.1 Extra Heavy Duty	
Knauf SpaceFoil - Roof	Single sided	Extra heavy duty sarking foil with paper	SK1530XD	1500	30	45	17	AS/NZS 4200.1 Extra Heavy Duty	
	Single sided	Extra heavy duty sarking foil paperless	SW1530XD	1500	30	45	13.5		68
	Single sided	Heavy duty sarking foil with paper	SK1360HD	1350	60	81	27.4	AS/NZS 4200.1 Heavy Duty	
			SK1530HD	1500	30	45	15.4		68
	Single sided	Heavy duty sarking foil paperless	WHD15030	1500	30	45	8.9	105	AS/NZS 4200.1 Heavy Duty
	Double sided	Light duty sarking with paper scrim with foil	WLD13560	1350	60	81	16	60	AS/NZS 4200.1 Light Duty
Knauf SpaceFoil - Ceiling Foil	Double sided	Extra heavy duty paperless	SPDFW135	1350	50	67.5	15.5	60	AS/NZS 4200.1 Extra Heavy Duty
Knauf SpaceFoil - Facing Foil	Single sided	Heavy duty foil paperless	LFH136	1350	600	810	160	5	AS/NZS 4200.1 Heavy Duty
			LFH159	1500	90	135	26.67	30	
	Double sided	Heavy duty paper scrim with foil	LPH136	1350	600	810	310	3	
	Double sided	Medium duty paper scrim with foil	LFM136	1350	600	810	295	3	AS/NZS 4200.1 Medium Duty
	Double sided	Light duty paper scrim with foil	LFL1313	1350	1300	1755	360	3	AS/NZS 4200.1 Light Duty

Minimum Order: 1 SupaKube of each Product Code as part of a 20 SupaKube mixed load delivery – refer to Service Guidelines for more information.

Composition	Weave	Example of Product Use	\$/m ² (Excl GST)	\$/Roll (Excl GST)
Sealed polypropylene weave laminated with a thermoplastic fire retardant adhesive to aluminium foil	8x8 weave	Under roof tile sarking, under steel roof profile	\$1.45	\$117.67
		Wall wrap for high ceilings and second storeys, under roof tile, under steel roof profile	\$1.47	\$66.34
Sealed polypropylene weave laminated with a thermoplastic fire retardant adhesive to aluminium foil – pin perforated	8x8 weave	Timber stud frame, brick veneer or weatherboard cladding	\$1.45	\$117.67
	8x7 weave	Timber stud frame, brick veneer or weatherboard cladding	\$1.28	\$103.30
Albar reinforced with fibreglass scrim then laminated with a thermoplastic fire retardant adhesive to aluminium foil	Not woven	Weatherboard cladding	\$1.36	\$110.48
Sealed polypropylene weave laminated with a thermoplastic fire retardant adhesive to aluminium foil	8x8 weave	Timber stud frame, brick veneer	\$1.45	\$117.67
		Timber stud frame, brick veneer	\$1.47	\$66.34
Sealed polypropylene weave laminated with a thermoplastic fire retardant adhesive to aluminium foil with antiglare coating	8x8 weave	Timber stud frame, brick veneer – reversed application*	\$1.48	\$119.67
		Timber stud frame, brick veneer – reversed application*	\$1.50	\$67.44
Sealed polypropylene weave laminated with a thermoplastic fire retardant adhesive to aluminium foil with antiglare coating	8x7 weave	Timber stud frame, brick veneer – reversed application*	\$1.33	\$107.95
	9x9 weave	Timber stud frame, brick veneer – reversed application*	\$1.51	\$122.29
Sealed polypropylene weave laminated with a thermoplastic fire retardant adhesive to aluminium foil	8x7 weave	Timber stud frame, brick veneer	\$1.28	\$103.30
	9x9 weave	Timber stud frame, brick veneer	\$1.44	\$116.78
Sealed polypropylene weave laminated with a thermoplastic fire retardant adhesive to Albar (aluminium laminated to paper)	10x10 weave	Under roof tile – spans between 600mm & 900mm	\$2.08	\$93.59
Sealed polypropylene weave laminated with a thermoplastic fire retardant adhesive to aluminium foil	10x10 weave	Under roof tile & slate – spans between 600mm & 900mm	\$1.84	\$82.63
Sealed polypropylene weave laminated with a thermoplastic fire retardant adhesive to Albar (aluminium laminated to paper)	8x8 weave	Under steel roof profile	\$1.83	\$148.34
	8x8 weave	Under tiled roofs – spans equal or less than 600mm	\$1.86	\$83.55
Sealed polypropylene weave laminated with a thermoplastic fire retardant adhesive to aluminium foil	8x8 weave	Under roof tile – spans equal or less than 600mm	\$1.47	\$66.34
Albar reinforced with fibreglass scrim then laminated with a thermoplastic fire retardant adhesive to aluminium foil	Not woven	Under steel roof profile	\$1.36	\$110.48
Sealed polypropylene weave laminated with a thermoplastic fire retardant adhesive to both aluminium foil sides	9x9 weave	Across top of ceiling joists (for use in climate zone 1 & 2)	\$1.99	\$134.35
Sealed polypropylene weave laminated with a thermoplastic fire retardant adhesive to aluminium foil	8x8 weave	Facing of Insulation Blanket	\$1.50	\$1,211.84
			\$1.47	\$198.56
Albar reinforced with fibreglass scrim then laminated with a thermoplastic fire retardant adhesive to Albar	Not woven	Facing of HVAC blanket	\$1.75	\$1,417.45
	Not woven	Facing of HVAC blanket	\$1.71	\$1,386.77
Albar reinforced with fibreglass scrim then laminated with a thermoplastic fire retardant adhesive to aluminium foil	Not woven	Facing of Insulation Blanket	\$1.30	\$2,274.12

* Install with antiglare foil facing out to maximise contribution to R-value in conjunction with Earthwool™ Batts.

Make warehousing a breeze with Master Bags

Not only do durable Knauf Insulation Master Bags protect batts from damage, they are made stronger to stack higher, optimising warehouse space and providing a clean, safe, professional environment. And the translucent poly woven bags make products easy to identify.

The improved compression of Master Bags provides you with more square metres of product per bag, which means more square metres per truckload and fewer trips between the job site and the warehouse. And by maintaining their shape and configuration, Master Bags are easier to move around a job site, whether you're carrying them by hand or using a forklift or clamp truck.

Knauf Insulation premium quality packaging for premium quality products.



“I don't miss the ITCH!”
Make the switch

Can insulation really feel THIS good?

Knauf Insulation's new EarthWool™ products don't look or feel like any insulation you've ever experienced, that's because the natural brown colour represents a level of sustainability and ease of handling never before achieved in Australia. The colour and 'super soft' feel comes from a revolutionary sustainable binder which does not contain the oil based chemicals, added formaldehyde or artificial colours commonly used in other insulation.

EARTHWOOL
the feel good insulation



Knauf Insulation's EarthWool™ products don't look or feel like any insulation you've ever experienced. That's because their natural brown colour sets a new benchmark in sustainability and provides a 'super soft' feel never before achieved.

Made using recycled glass bottles and revolutionary ECOSE® Technology, EarthWool™ is creating eco-friendly insulation with no added formaldehyde, artificial colours or acrylics. It is as good as traditional glasswool insulation – only better... naturally! EarthWool™ is also compression packed to reduce transport emissions, material handling and warehousing costs.

The world of insulation has changed and Knauf Insulation in Australia is adding 'the feel good factor'.

Available from Knauf Insulation approved distributors.

To stay informed about Knauf Insulation promotions, please register at www.knaufinsulation.com.au



For more information call 1800 KNAUFI or 1800 562 834 or visit us online at www.knaufinsulation.com.au

KNAUFINSULATION
it's time to save energy



Not as itchy

The 'super soft' feel of EarthWool™ comes from a revolutionary, patented binder made using renewable bio-based materials.

Make the switch!

Enhanced indoor air quality

With no added formaldehyde, EarthWool™ provides high indoor air quality and is suitable for use in households with allergies.



Reduced handling

Unique compression packaging means more insulation per truck load.

Fire safe

Unlike other types of ceiling insulation, EarthWool™ is non-combustible.

Blocks sound

EarthWool™ absorbs sound for a quieter home.

Made using recycled glass

EarthWool™ is made using recycled glass bottles and sand making it the best choice for your environmentally conscious customers.

KNAUFINSULATION
it's time to save energy

www.knaufinsulation.com.au

www.feelgoodinsulation.com.au



4. Terms & Conditions

Terms & Conditions of Commercial Credit & Sales Agreement

In these terms, “you” and equivalent words refers to an entity to which credit is or may be extended and “we” and equivalent words refers to Knauf Insulation Pty Ltd.

When you apply to us for credit, in consideration for us assessing your application, you agree to the following terms:

- 1 You authorise us to obtain details of your personal and commercial credit information as necessary, for the purpose of assessing any application for credit. You authorise us to provide information of your credit position with us to persons who may seek that information from us.
- 2 In the event that any of the details you have given on your commercial credit application or other documents are incorrect or incomplete, you must inform us in writing within 7 days. You warrant and represent to us that the information you have provided to us is truthful and complete. You acknowledge that we will rely on that information in assessing your creditworthiness and in making a decision as to whether to extend credit to you.
- 3 If we extend credit to you, you will settle your trading account with us on or before 30 days. Your full payment should reach us by the last working day of the month following the month in which we issue an invoice to you. We will be entitled to charge you and you will pay interest on any amounts unpaid after 30 days, at a rate of interest equal to the overdraft rate charged by HSBC from time to time.
- 4 We may withdraw credit, withhold product supply or place your account on hold at any time and without prior notice. Your account may be terminated by you or us on seven days written notice. Your account may be closed without notice. If you do not trade with us for 6 consecutive months you must settle all outstanding amounts at the time your account is closed.
- 5 Information regarding business transactions under these terms of credit may be used by us for marketing purposes.
- 6 You warrant and represent to us that at the time of applying for credit with us:
 - (i) you are not aware of any information or circumstances tending to suggest that you may enter into bankruptcy, external administration or that execution may be levied against any of your assets to satisfy a judgement;
 - (ii) you do not intend to enter into any scheme of arrangement with creditors either formally through a court or otherwise; and
 - (iii) none of your directors, partners or proprietors has been a director of a company placed in liquidation or has been declared bankrupt or has entered into any arrangement with creditors.
- 7 We may assign our rights under these terms and conditions. You may not assign your rights under this agreement unless written permission is granted by us, which permission will not be unreasonably withheld.

When you order goods or services from us, in consideration for us supplying or agreeing to supply them, you agree to the following terms:

- 8 Your order must have a clear order number or reference and be relayed to us via hard copy, fax or email and acknowledged by us.
- 9 The price invoiced by us will be the price agreed and unless otherwise stated, will include delivery charges and/or handling charges and GST. If it does not, you must pay any delivery and/or handling charges and GST on any taxable supply under these terms, on demand by us.

- 10 If special items, such as pallets are supplied as part of our handling/delivery service they remain our property.
- 11 Title in all goods that we supply to you remains with us until we receive full payment for them. Until title in any goods passes to you, you will hold them as bailee and you will not transfer possession of them or create any interest in them for the benefit of any third party. You grant to us or our agents and employees a licence to enter onto your premises (or the premises of any associated company or agent) to take possession of any of the goods to which we have title. You release and indemnify us and our agents and employees in respect of any liability arising from the exercise of any rights under the license. If in breach of these terms, you purport to sell any goods belonging to us, then you must keep the proceeds of the purported sale in a separate identifiable account and hold them on trust for us until we have been paid in full. You must pay us all amounts owed to us from such proceeds, on demand.
- 12 Where you choose to use your own carrier for collection of product from our warehouse, the product will be “delivered” at the time of leaving our warehouse with the product(s). Knauf Insulation is then entitled to invoice you for the relevant product.
- 13 You accept that at the time of collection from our warehouse, you will be liable for any loss or damage to the product during the process of delivery. We will not accept responsibility or liability for any loss or damage that may result from you arranging your own carrier.
- 14 Risk in any goods we agree to supply to you will pass to you upon such goods leaving the manufacturer’s premises for delivery to you, even if the title has not yet passed from us to you.
- 15 If you are in default of your obligations to us under any other supply by us to you, we may decline to deliver goods to you and may, in our discretion, supply them to another party on such terms as we consider appropriate. In this event, we may recover from you any shortfall.
- 16 You indemnify us in respect of all costs we reasonably incur and any liability we incur in the exercise of rights to recover goods belonging to us.
- 17 We exclude all conditions and warranties to the full extent permitted by law (including in respect of merchantability or fitness for any purpose) In the case of any condition or warranty that cannot by law be excluded, our liability in connection with any such condition or warranty is limited (subject to section 68A of the Trade Practices Act 1974 (Cth) and any similar laws), at our option, to:
 - (a) in the case of the supply of goods:
 - (i) the replacement of the goods or the supply of equivalent goods;
 - (ii) the repair of the goods;
 - (iii) the payment of the cost of replacing the goods or of acquiring equivalent goods: or
 - (iv) the payment of the cost of having the goods repaired; or
 - (b) in the case of the supply of service:
 - (i) the supplying of the services again; or
 - (ii) the payment of the cost of having the services supplied again.

- 18 Your order will be delivered to the point outlined on your purchase order. We may assist in off-loading the goods. In the event we or our agent are delayed in the off-loading due to circumstances beyond our/their control we reserve the right to charge a fee in 1 hour blocks. If your point of delivery cannot be located due to poor direction/instructions/markings or the carrier cannot identify the site because the delivery address is inadequate, the goods will be returned to our premises and you will be charged a transfer fee. You indemnify us in respect of any liability arising from the entry of delivery vehicles on to the delivery site.
- 19 You agree to inform us within 48 hours of delivery of our goods if you intend to make a claim. We will only consider credit or other claims where we have supplied goods which are not free from material or workmanship defect, a delivery error on our part or an incorrect invoice detail. We will not be responsible for any loss or damage you suffer as a result of our failure or delay in performing the contract due to reasons beyond our control.
- 20 You may not set-off any amounts owing or said to be owing to you by us against any amounts you owe to us under these terms and conditions.
- 21 You indemnify us in respect of all costs and outlays we incur, in enforcing any rights we have under these terms and conditions, including without limitation, legal costs and outlays (on a full indemnity basis), dishonour fees, telegraphic transfer fees and holding, storage and transport costs.
- 22 These terms and conditions can not be varied unless the agreed variation is in writing signed by us.
- 23 In consideration for us extending credit to you, to better secure your performance under these terms and conditions, you charge to us any interest you have in any real property you hold and you acknowledge that we have a caveatable interest in any and all real property which is charged to us under this clause. You agree to sign all documents and do all things we may reasonably require, to assist us to enforce our rights in respect of any real property charged to us.
- 24 If any of these terms are void or voidable by operation of law, it may be severed from these terms and the balance of terms given effect to.
- 25 Any dispute under these terms and conditions is to be dealt with according to the law of Queensland and the parties irrevocably submit to the jurisdiction of the courts of Queensland and the Federal Court in relation to any such dispute.
- 26 Product that is to be returned will be assessed by us at the time of requesting the return of product to us. Product that is returned to us will incur a restocking fee of 50% of the invoiced value (excluding GST), Knauf reserves the right to refuse to accept the return of product to the warehouse.
- 27 Damaged or unsalable product will not be accepted as a return under any circumstances.

Our privacy policy

Our privacy policy can be viewed at www.knaufinsulation.com.au

KN'OATH

THE KNAUF INSULATION OATH TO AUSTRALIA

QUALITY

As a world leader in insulation, we guarantee that the 'super soft' feel and sustainability credentials of our new generation of glasswool insulation set a new benchmark for quality in Australia. Already, our new EarthWool™ represents a major leap forward for insulation in Australia.

INNOVATION

We will continue to introduce innovative insulation solutions that improve energy efficiency in buildings by providing advanced products that have enhanced performance and are also easier to install.

COMMITMENT

We are committed to sharing our international experience with distributors, installers and households by providing new energy efficiency solutions that comply with increasingly stringent building regulations and align with the Government's commitment to reduce CO₂ emissions.

We're here for good and we mean business.



WINNER OF THE EUROFINS GOLD AWARD – EarthWool™ is the world's first insulation product to receive the coveted Eurofins Indoor Air Comfort Gold standard award. www.eurofins.com Learn more at www.knaufinsulation.com.au/news_releases.aspx

We didn't choose brown, it just came naturally

Knauf Insulation's EarthWool™ products don't look or feel like any insulation you have experienced. With no added colour or formaldehyde, EarthWool™ sets a new benchmark for quality and sustainability while providing a 'super soft' feel never before achieved.



KNAUF INSULATION
it's time to save energy

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Marketing Support & Brochures info.au@knaufinsulation.com
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