

ECOTUFF®

ROOFING BLANKET

Product Description

Manufactured by a 100% Australian Owned Company, ECOTUFF® consists of a naturally brown (no added colours) glasswool blanket adhered to a puncture & tear resistant reflective foil.

The glasswool blanket (Earthwool) manufactured by Knauf Insulation is made using up to 80% recycled glass & with ECOSE Technology, a sustainable, bio-based binder that contains no added formaldehyde is super soft to handle & install & is VIRTUALLY ITCH FREE.

The puncture & tear resistant reflective foil manufactured by Ametalin uses advanced laminating technology, the polymer adhesive retains its tack indefinitely & provides superior resistance to heat, fire & delamination. IT'S TUFF.

Application

ECOTUFF® Roofing Blanket provides efficient thermal & condensation control under metal deck, fibre cement and concrete roofs & also under concrete slabs in car parks.

ECOTUFF® Roofing Blanket when installed under metal roofs provides an excellent acoustic barrier that assists in the reduction & absorption of rain & aircraft noise.

ECOTUFF® Roofing Blanket can help to reduce the impact of reverberant noise in many situations.

Material Code	Thickness (mm)	R-Value (m ² K/W)	Width (mm)	Length (mm)	Pieces per Pack	Area per pack (m ²)
ET55PM	55	1.3	1200	15000	1	18
ET60PM	60	1.5	1200	15000	1	18
ET75PM	75	1.8	1200	15000	1	18
ET100PM	100	2.3	1200	10000	1	12
ET105PM	105	2.5	1200	10000	1	12
ET120PM	120	3.0	1200	10000	1	12
ET130PM	130	3.2	1200	10000	1	12
ET145PM	145	3.6	1200	10000	1	12

Specification Compliance

AS/NZ 4859.1:2002 Materials used in thermal insulation of buildings and complies with the Building Code of Australia (BCA) requirements.

Bio-Solubility

FBS - 1 Glasswool Bio-Soluble Insulation - safe to use and meets the criteria of the Australian Safety and Compensation Council (formerly NOHSC) to be classified as non-hazardous.

Fire Performance - Bushfire Attack Level (BAL)

ECOTUFF® Roofing Blanket meets the requirements for BAL 12.5-40 as outlined in AS 3959 for metal roofs. The glasswool component of ECOTUFF® Roofing Blanket is non-combustible in accordance with AS 1530.1 and is suited for sealing ember entry points at ridges, valleys and fascias to meet the BAL requirements for metal clad roofs in bushfire areas. The reflective foil facing component satisfies the BCA flammability index requirement of <5.

Corrosion Resistance

British Standard 3958 rating pH9, (pH7 is neutral) it will not promote or accelerate the corrosion of steel or galvanised steel studs provided they are protected from external contamination.

Does not support microbial growth.

Early Fire Hazard Properties

ECOTUFF® Roofing Blanket achieves the following results when tested in accordance with AS1530.3-1999:

	Range
Ignitability Index	0-20
Spread of Flame Index	0-10
Heat Evolved Index	0-10
Smoke Developed Index	0-10

Thermal Resistance

AS/NZS 4859.1:2002
ASTM C 653

Green Credentials

- Reduces energy usage to deliver cost savings.

- Good Environment Choice Australia (GECA) Certified

- No harmful levels of volatile Organic Compounds (VOC's) are released

- Avoids the use of Ozone Depleting Potential (ODP) substances in the manufacture.

Emittance

The emittance of the reflective silver, grey and White facing is 0.05

Water Absorption

Water Vapour Absorption (ASTM C 1104) Less than 0.5% by weight

Thermal Conductivity

AS/NZS 4859.1:2002
ASTM C 518

Supplied &/Or Installed by

