

Vapa-Chek™ Building Blankets

Australia's Favourite Building Blanket

Product Description and Typical Applications

Vapa-Chek™ is a high quality insulating product that features excellent thermal and acoustic performance. *Vapa-Chek* Building Blanket is a glasswool building blanket faced on one side with factory adhered, Sisalation® reflective foil laminate. A 150mm foil lap is provided on one side to allow the vapour barrier to be sealed. *Vapa-Chek* is able to be supplied with a wide range of factory applied sisalation facings. Refer to www.sisalation.com.au >Range>FacingFoil.

Vapa-Chek blankets provide thermal resistance and condensation control under metal deck roofs, on wall cladding, and under concrete roof and wall structures. *Vapa-Chek* also provides an excellent solution for acoustic treatment of metal clad buildings by reducing internal reverberation and unwanted noise created by rain, hail, and the expansion and contraction of metal roofs and walls. In temperate and sub-tropical climates, *Vapa-Chek* is installed with the foil facing down and the blanket in contact with the underside of the roof. In Darwin, foil-faced blanket is commonly installed with the foil side facing upwards, over a separate foil on the underside.

Physical Characteristics

Material R-value	Nominal Thickness (mm)	Foil Facing Type	Dimensions (mm)	Area Per Roll (m ²)
R1.3	55	Light Duty	15m x 1200	18m ²
		Medium Duty	15m x 1200	18m ²
		Heavy Duty	15m x 1200	18m ²
R1.8	75	Light Duty	15m x 1200	18m ²
		Medium Duty	15m x 1200	18m ²
		Heavy Duty	15m x 1200	18m ²
R2.5	100	Light Duty	10m x 1200	12m ²
		Medium Duty	10m x 1200	12m ²
		Heavy Duty	10m x 1200	12m ²
R3.0	130	Light Duty	10m x 1200	12m ²
		Medium Duty	10m x 1200	12m ²
		Heavy Duty	10m x 1200	12m ²

Total R-values

A summary of Total R-values for typical roof systems is illustrated in the *Vapa-Chek* brochure, or more comprehensive calculations can be viewed in the ICANZ Insulation Handbook which can be found at www.icanz.org.au>PublicationsandReports>InsulationHandbook, or contact *Fletcher Insulation* Technical Services 1800 000 878.

Green Star Compliant

Fletcher Insulation is committed to providing environmentally sustainable products. *Fletcher Insulation* products have Zero Ozone Depleting Potential in both manufacture and composition, complying with the GreenStar Insulant ODP Emissions credit requirement. VOC emissions are low.

AS/NZS 4859.1 Materials for the Thermal Insulation of Buildings

Vapa-Chek building blankets comply with the Energy Efficiency provisions of the BCA for all types of thermal insulation to be certified by a NATA accredited organisation.



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Australian Building Codes Board
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VAPA-CHEK™
Australia's favourite building blanket

Fletcher
Insulation

Creating an environmentally
sustainable future



The production of environmentally sustainable FBS-1 Glasswool Bio-Soluble Insulation utilizes approximately 70% recycled waste glass.



Low Allergen content with the ability to moderate temperature changes.



Fletcher Insulation glasswool products are manufactured from FBS-1 Bio-Soluble Glass Wool™. FBS-1 Bio-Soluble Glass Wool™ is not classified as hazardous according to the criteria of the Australian Safety and Compensation Council (formerly NOHSC), Approved Criteria for Classifying Hazardous Substances (NOHSC: 1008) 3rd Edition. Fletcher Insulation glasswool is classified as safe to use, refer to our MSDS.



Fletcher
Insulation™

Technical Data Sheet

AS1530.3 Early Fire Hazard Properties of Materials

Vapa-Chek exhibits the following characteristics when tested in accordance with AS1530 Part 3.

Ignitability Index	0
Spread of Flame Index	0
Heat Evolved Index	0
Smoke Developed Index	3

Moisture Absorption

In the event of Vapa-Chek becoming wet, it should be dried prior to installation to obtain maximum performance and prevent damage to other building elements.

Alkalinity

When tested in accordance with British Standard 3958, Fletcher Insulation glasswool products are slightly alkaline pH9 (neutral is pH7).

Maximum Service Temperature

Vapa-Chek is manufactured for use at temperatures that are normally experienced in building systems. Vapa-Chek maximum and minimum service temperatures ranges from sub-zero to a maximum of 340°C. Vapa-Chek Sisalation® surface temperature should not exceed 70°C.

Sound Absorption

Vapa-Chek with various facings has the following sound absorption coefficients when tested in accordance with AS1045 by the Reverberation Room Method. Tests were carried out with no air space behind the samples and results are based on test reports from RMIT Department of Applied Physics.

Nominal Thickness	Sound absorption coefficients (reverberation) at frequencies (Hz) of:					
	125	250	500	1000	2000	NRC
55mm (Sisalation® Light Duty)	0.45	0.85	1.05	0.45	0.20	0.60
75mm (Vapastop)	0.40	0.95	1.15	0.75	0.70	0.90

Specification Notes

State the following:

- Product name - Fletcher Insulation Vapa-Chek
- Facing required - eg: Sisalation® Light/Medium/Heavy Duty
- Material R-value required

Note: The Total R-value or thermal performance of building systems with reflective foils depends on the installation method used and the direction of heat flow.

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Note: Fletcher Insulation (NSW) Pty. Ltd. reserves the right to change product specifications without prior notification. Information in this Publication and otherwise supplied to users as to the subject product is based on our general experience and is given in good faith, but Because of the many particular factors which are outside our knowledge and control and affect the use of products, no warranty is given Or is to be implied with respect to either such information or the product itself, in particular the suitability of the product for any particular purpose.

The purchaser should independently determine the suitability of the product for the intended application.

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