

TECHNICAL DATA SHEET

SISALATION® BUBBLE CELL 100 REFLECTIVE INSULATION



Product description and typical applications

Incorporating a closed cell bubble core encapsulated between an upper and lower layer of reflective foil laminate, Bubble Cell 100 is a high quality reflective insulation composite suitable for use in a range of commercial and residential building applications. It reduces up to 95% of the sun's radiant heat, minimises the risk of condensation and acts as an effective water and vapour barrier when installed correctly.

Additionally, Bubble Cell 100 achieves a Flammability Index of ≤ 5 deeming it suitable for use as a sarking membrane in roofs with a Bushfire Attack Level (BAL) of 0 - 40; and walls with a BAL of 0 - FZ in accordance with AS 3959-2009.

An anti-glare coating is applied to one side of the product to reduce the level of glare experienced during installation. Additionally, Bubble Cell 100 achieves an 'Extra Heavy Duty' rating in accordance with Table 1 of AS/NZS 4200.1, thus providing maximum durability and increased tear resistance. This allows the product to be used as a sarking material in commercial buildings (classes 2-9) as per F1.6 of the NCC and as a pliable building membrane and underlay in residential applications as per 3.5.1.0 (f) of the NCC.

Physical characteristics

Width mm	Length mm	Area per roll m ²	Nominal weight per roll kg	Product code
1350	22.25	30	14	395215

Technical specifications

Flammability Index AS 1530.2	≤ 5
Emittance (reflective face) ASTM E408	0.03
Emittance (anti-glare face) ASTM E408	0.06
AS/NZS 4200.1 Table 1	Extra heavy
Water barrier AS/NZS 4201.4	High
Vapour barrier ASTM E96	Medium

Thermal performance

Bubble Cell 100 complies with the requirements of AS/NZS 4859.1:2002 including Amendment 1. The thermal performance of Bubble Cell 100 varies with application, orientation and installation method. For complete Total R value advice visit www.insulation.com.au/fletcherspecpro

Bushfire Attack Level (BAL)

Roof Applications	BAL LOW – 40*
Wall Applications	BAL LOW – FZ*
*In accordance with AS 3959-2009 "Construction of Buildings, Alterations and Additions in Bushfire Prone Areas"	



*In accordance with AS 3959-2009 Construction of Buildings, Alterations and Additions in Bushfire Prone Areas



Fletcher
Insulation

Building Better, Together.

Important notes

- Sisalation® pliable building membrane products must be kept dry and out of contact with alkaline products, cement and mortar.
- Sisalation® pliable building membrane products are not designed to withstand weathering hence the external cladding should be applied without delay.
- Sisalation® pliable building membrane products shall be installed in accordance with AS/NZS 4200.2:1994 “Pliable Building Membranes and Underlays - Installation Requirements for Metal Roofs, Tile Roofs and Walls”. Additional guidelines are available for download via www.insulation.com.au or by contacting Fletcher Insulation on 1300 654 444.

Specification notes

The reflective insulation material shall be Fletcher Insulation Sisalation® Bubble Cell 100.

© Fletcher Insulation Pty Limited 2016. Fletcher Insulation 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. Unless otherwise stated all ™ and ® are trademarks and registered trademarks of Fletcher Insulation Pty Limited ABN 72 001 175 355.
FTDS9_Revision_0_ Issue Date 18032016

Fletcher[®]
Insulation
Building Better, Together.