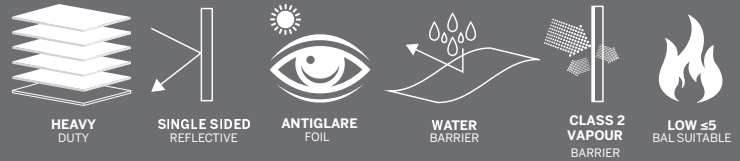


# POLYAIR UNICELL WHITE

**DESCRIPTION:** Heavy Duty, Single Sided Semi-Reflective Bubble Core Insulation  
**SUITABILITY:** Suitable for residential sheds and commercial warehouses and garages where a white aesthetic finish is required



## IMPORTANT INFORMATION

- This product is only recommended for the applications listed in this datasheet unless advised otherwise by an official Bradford technical representative.
- This product is a vapour barrier and is not recommended for use behind lightweight cladding except in tropical climate zone 1 - its suitability should be checked with the cladding manufacturer prior to application.
- This product is not designed to withstand prolonged exposure to UV or weather. Once installed the exterior wall or roof must be applied as soon as possible.
- Prior to installation, this product should be stored in a cool dry place away from sunlight, and should not come into contact with wet concrete or alkaline based materials.
- This product contains aluminium foil which conducts electricity. To avoid electrocution, care should be taken to ensure that this product or conductive fasteners used to secure this product, do not come into contact or close proximity with electrical wiring during installation or use.

## PRODUCT DESCRIPTION

Bradford Polyair Unicell™ White is manufactured with an internal decorative white face and an external layer of reflective aluminium foil coated in a special antiglare substrate. Bradford Polyair Unicell™ White incorporates an internal bubble core structure that provides an engineered air cavity within the product.

- This product meets the requirements of the AS/NZS 4200.1 and is suitable for use in Australian residential and commercial applications.

## CLIMATE ZONE

This product is recommended for use in warm to cold climate zones where there are lower levels of insulation used in the wall cavity and vapour and water barrier properties are required.

## CLASSIFICATION

This product meets the requirements of AS/NZS 4200.1		
CRITERIA	RESULT	
Product Identifier	Polyair Unicell White	
Duty Classification (AS/NZS 4200.1)	Heavy Duty	
Tensile Strength (AS/NZS 1301.448s)	Machine	≥ 13
	Lateral	≥ 10.5
Edge Tear Resistance (TAPPI T470)	Machine	≥ 90
	Lateral	≥ 90
Water Control Classification (AS/NZS 4201.4)	Water Barrier	
Vapour Classification (ASTM E96)	Class 2 Vapour Barrier	
Vapour Permeability (ASTM E96)	< 0.1429 µg/N.s	
Emissivity (AS 4201.5)	Inward Facing	Non-Reflective (0.9)
	Outward Facing	Semi-Reflective (0.09)
Flammability Index (AS 1530.2)	≤ 5 (Low)	
Electrical Conductivity (AS/NZS 3100)	Conductive	
Resistance to Dry Delamination (AS/NZS 4201.1)	Pass	
Resistance to Wet Delamination (AS/NZS 4201.2)	Pass	
Shrinkage (AS/NZS 4201.3)	≤ 0.5%	

Classifications in accordance with AS/NZS 4200.1. This product should be installed in accordance with AS 4200.2

## APPLICATION TABLES

	Steel Frame Shed Wall			Steel Frame Shed Roof (10° Pitch Roof)	
	Summer	Winter		Summer	Winter
	<b>R<sub>t</sub> 1.1</b>	<b>R<sub>t</sub> 1.0</b>		<b>R<sub>t</sub> 1.6</b>	<b>R<sub>t</sub> 0.8</b>

## APPLICATION DETAIL

Bradford Polyair Unicell™ White can be used in residential masonry wall construction, residential sheds or commercial warehouse and garage applications. The semi-reflective antiglare side should face outward towards the external cavity and the white decorative side should face inward towards internal stud cavity. The product is designed to provide a reflective air-gap R-Value when the semi-reflective antiglare surface faces a minimum 25mm brick cavity.

- This product is suitable for use in BAL regions 12.5 to 40 in accordance with AS 3959.

For more information on how to install this product correctly see the Polyair Installation Guides online at [bradfordinsulation.com.au](http://bradfordinsulation.com.au).

## PRODUCT DIMENSIONS

PRODUCT NAME	WIDTH (mm)	LENGTH (m)	m <sup>2</sup> PER ROLL	WEIGHT (kg)	PRODUCT CODE
Unicell White	1350	40	54	21	130303

## DURABILITY/WARRANTY

Bradford Polyair™ products are guaranteed to be free from manufacturing defects and perform in normal building applications when installed in accordance with AS/NZS 4200.2:2017 Pliable Building Membranes and Underlay's, Part 2 Installation Requirements. Please note, all work must be designed and constructed in compliance with all provisions of the current Building Code of Australia, regulations and relevant standards. Bradford Polyair should not come in contact with wet concrete or other alkaline based products and should be stored in a dry place out of direct sunlight before use.

## HEALTH & SAFETY

Information on any known health risks on Bradford products and how to handle them safely is detailed on [www.bradfordinsulation.com.au](http://www.bradfordinsulation.com.au). Additional information is listed in the Material Safety Data Sheets also available on the Bradford website.

## PRODUCT CONSTRUCTION

