

# SFR BAL40

# Biycell

## DESCRIPTION:

Biycell SFR BAL40 is a compressible, self-extinguishing, impregnated polyurethane foam specifically designed for use in bushfire-prone areas. Biycell SFR BAL40 is approved for use in applications where Bushfire Attack Level (40) is required.

Ideal for roof installations, it provides an effective seal against ember attacks, enhancing fire protection in vulnerable structures.

Biycell SFR BAL40 is available in 50mm wide Custom Orb and Trimdek profiles, and a 50mm x 50mm square strip. Other profiles are available upon request.

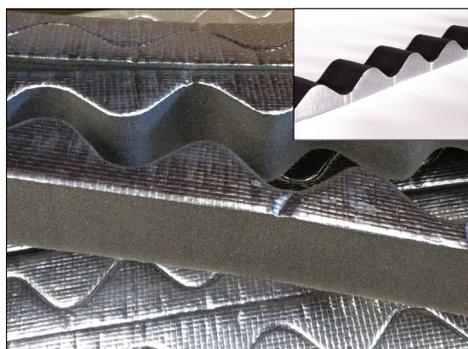
## USES:

Biycell SFR Bal40 is installed to prevent bush fire embers from entering structures ie under ridge caps, along the roof valley and under the eaves.

Biycell SFR Bal40 also acts as an ideal filler and seal against dust, moisture vermin etc.

## STANDARD COMPLIANCE:

Biycell SFR Bal40 has been assessed for bush-fire performance in accordance with **AS 1530.8.1-2018**, by C.S.I.R.O. Infrastructure Technologies, 2023.



## TECHNICAL DATA:

PROPERTY	DATA
Colour	Dark Grey
Density	95 kg/m <sup>3</sup>
Indentation Force on deflection	I.F. 25 I.F. 40 I.F. 65
	225N 310N 950N
Recovery Ratio	38%
Indentation Factor 65% / 25%	4.2
Resilience	28%
Tensile Strength	89 kPa
Elongation	90%
Tear Strength	267 N/m
Compression Set, 75%	57.7% at 70°C

RANGE OF PROFILES/SIZES	CODE
Custom Orb 1 metre	3008A
Custom Orb 10 metre pack	3008Aa
Trimdek Bottom 950mm	3008B
Trimdek Bottom 10 metre pack	3008Bb
Trimdek Top 950mm	3008b
Trimdek Top 10 metre pack	3008bt
50mm x 50mm x 1 metre	3007cC
50mm x 50mm x 5 metre pack	3007C
Other profiles available upon request	

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### INSTALLING BIYCELL SFR BAL40

Biycell SFR Bal40 infill strips are designed to be used at the lower end of the cladding and at the ridge.

Place the infill strips on the baton near the gutter, foil side out. These can be held in place with silicone before the sheets are screwed down.

Any gaps must be filled with fire resistant silicone.

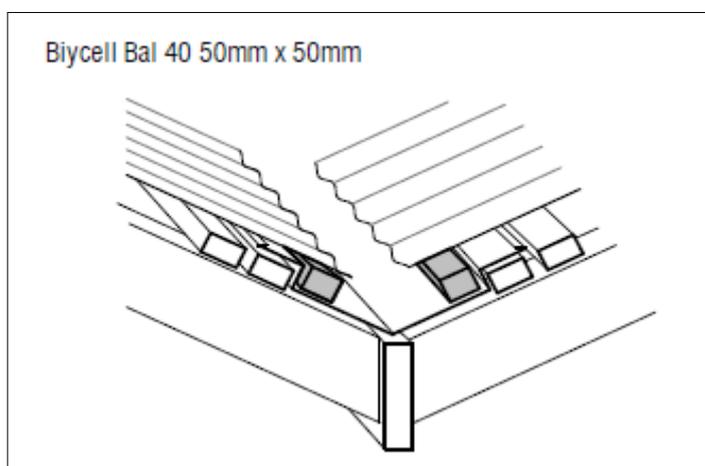
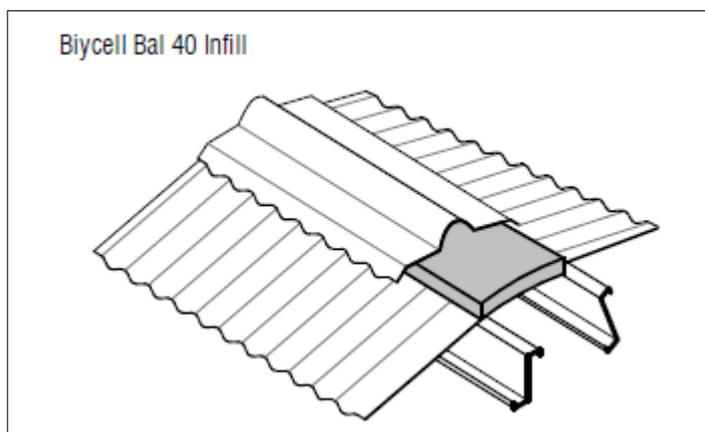
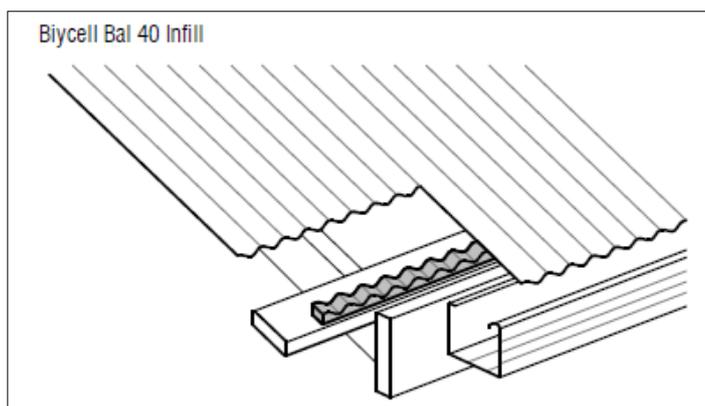
#### Ridge Cap

At the ridge, place the infill strip and screw the ridge capping in place, compressing the foam to fill all gaps. Again, a fireproof silicone must be used if any remaining gaps.

#### Roof Valley

Biycell SFR Bal40 50mm x 50mm is designed for use in the valley where a profiled section cannot be used.

Place the 50mm x 50mm section, foil side out, on both sides of the valley. The section can be held in place with silicone before the sheets are screwed in place.



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Tampala Pty Ltd trading as BIY Construction Supplies  
23-27 Clyde Street, Wingfield SA 5013  
ABN 47 008 016 082

Phone 08 8347 0444  
www.biy.com.au  
sales@biy.com.au