Leaf Free™ Full Technical Data Sheet

1. PRODUCT DESCRIPTION

Leaf Free™ Gutter Guard is a high-performance woven mesh gutter protection system designed to prevent leaf and debris accumulation while providing certified ember protection for buildings in bushfire-prone areas.

Manufactured from marine-grade aluminium or 316 stainless steel, the system is engineered for Australian conditions and suitable for residential, commercial, and industrial roofing applications with support for all BAL ratings when installed in accordance with approved fixing methods.

2. APPLICATIONS

- Residential & commercial roofing applications
- Bushfire-prone regions (BAL 12.5 – BAL FZ)
- Metal, tile, and custom roof systems
- Ember protection in accordance with AS-3959
- Leaf and debris exclusion from gutter systems

3. MATERIAL COMPOSITION

Material	*Construction*	*Grade*	*Aperture*	*Diameter*	*Finish*	*Coating*	*Colours*	*Corrosion Resistance*	*Combustibility*
Aluminium	*Woven Mesh*	*Marine-Grade Aluminium*	*2mm*	*0.40 – 0.55*	*Mill or Powder Coated*	*UV Stable Polymer*	*Colorbond compatible*	*High*	*Non-Combustible*
316 Stainless Steel	*Woven Mesh*	*316 Stainless Steel*	*2mm*	*0.41 – 0.50*	*Mill or Powder Coated*	*UV Stable Polymer*	*Colorbond Compatible*	*Extreme*	*Non-Combustible*

4. DIMENSIONS

Standard widths include:
250mm, 500mm & 1000mm.

Standard roll lengths include:
5m, 10m, 15m, 20m, 25m. *Custom roll lengths are available upon request, up to a maximum roll length of 30m.*

5. COMPLIANCE & CERTIFICATION

AS 1530.8.1 – Bushfire-resistant construction (CSIRO tested)
BAL-40 *(Certified when installed using approved 3M™ VHB™ fixing tape)*
BAL-FZ *(Compliant when installed using non-combustible metal mechanical fixings)*

*Compliance is dependent on correct installation and fixing method selection in accordance with manufacturer guidelines and AS 3959.**

6. FIXING METHODS

- BAL-12.5 to BAL-40: 3M™ VHB™ high-bond tape or approved metal mechanical fixings
- BAL-FZ: Non-combustible metal mechanical fixings only (including angle trims and saddles)

Fixing method selection must be appropriate to the BAL rating and confirmed by the project certifier or fire consultant.

7. FEATURES & BENEFITS

Manufacturer: Leaf Free Gutter Guard
www.leaffree.com.au
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- 2 mm woven aperture designed to restrict leaf, debris, and ember entry
- High water flow performance
- Reduces ongoing gutter maintenance requirements
- Long service life with high corrosion resistance
- Colorbond Colour-matched options available
- Multiple certified fixing options to suit BAL requirements

8. WARRANTY

316 Stainless Steel Mesh: Up to 20 years
Aluminium Woven Mesh: Up to 15 years

Warranty periods are subject to correct installation, environmental conditions, and adherence to manufacturer guidelines. Terms and conditions apply.

9. SAFETY & HANDLING

- Wear appropriate cut-resistant gloves when handling mesh
- Avoid kinking, crushing, or over-bending the mesh during handling and installation
- Follow all applicable working-at-heights and roof safety requirements in accordance with AS/NZS 1891
- Store rolls flat or adequately supported to prevent deformation prior to installation