



GPS EMBER GUARD (For BAL-FZ and below)

GPS Ember Guard is manufactured from 100% Australian Bluescope® Colorbond® Steel or Aluminium, depending on the preferred finish, and is available in all roof profiles, excluding Tile Waverley. There is the choice of either 22 Colorbond® colours or silver mill finish Aluminium*.

GPS Ember Guard also saves time and money; it is a pre-profiled, one-piece system, allowing it to take roughly half the time to install when compared to most other products. This economic product provides security, while looking sleek and contemporary (Figure 1.0).

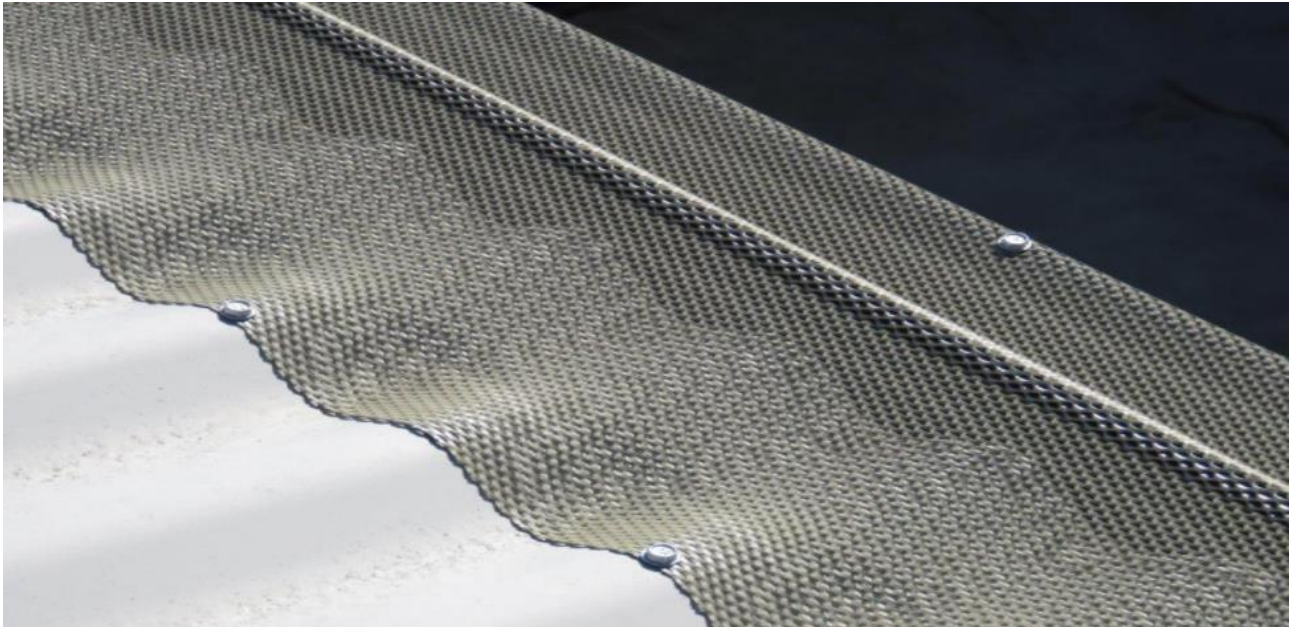


Figure 1.0 - GPS Ember Guard installed on Corrugated Iron.

AUSTRALIAN STANDARD COMPLIANCE

- Unlike woven steel, used by many gutter protection companies, GPS Ember Guard has a stable hole size. It is a definite 2.0mm aperture, specifically designed to comply with AS3959-2009 Amendment 2011.
- GPS Ember Guard complies to AS1530.3, the highest rating required by local councils if gutter guards are installed, and sufficiently resists fire exposure, with a Flammability index rating "0".
- The Bluescope® Colorbond® Steel finishes are also corrosion resistant, meaning they comply with the requirements of up to and including BAL FZ

GPS BASIC MEASURING GUIDE

- Measure gutters and allow for overlaps each end for corners (if applicable).
- Measure valley lengths and openings between opposing roofs.
- Note the distance between the gutter edge and the screw line for Corrugated roofs; if it is less than 200mm, the standard product (Figure 1.1 & 1.2) dimension, a narrower product must be ordered so as not to touch the roof screws.
- A guide for measuring roofing can be found [here](#).

*mill finish Aluminium only complies with BAL-29 and below.

GPS IMPORTANT NOTES

- Dimensions should be in linear metres
- The standard mesh strips (200mm x 1200mm) are available in 22 Colorbond® colours.
- Terracotta tiles traditionally use flat products 400-450mm wide.
- Mesh can be supplied wider than standard 200mm, at additional cost.
- Make sure to add an additional 5% in length for overlaps where applicable.
- Ember Guard is custom manufactured, so make sure everything is measured correctly.
- Made from AS1397 Grade 300 AM100/AZ150 Corstrip 0.55mm.



Figure 1.1 - Standard GPS Ember Guard installed on Corrugated roof.



Figure 1.2 - Standard GPS Ember Guard installed on Corrugated roof without Water Brake.

For more information on GPS Ember Mesh contact us at: sales@gutterprotection.net.au or visit our website: <https://www.gutterprotection.net.au/>.



BUSHFIRE ATTACK LEVEL (BAL)

Roof Requirements

BAL - LOW

Standard roof materials may be used, no special construction requirements.

BAL - 12.5

Roof cladding materials must be non-combustible. The junction between roof and wall must be sealed. Gutters and other openings must be fitted with non-combustible ember guards. Roofs must be fully sarked.

BAL - 19

Roof cladding materials must be non-combustible. The junction between roof and wall must be sealed. Gutters and other openings must be fitted with non-combustible ember guards. Roofs must be fully sarked.

BAL - 29

Roof cladding materials must be non-combustible. The junction between roof and wall must be sealed. Gutters and other openings must be fitted with non-combustible ember guards. Roofs must be fully sarked.

BAL - 40

Roof cladding materials must be non-combustible. The junction between roof and wall must be sealed. Gutters and other openings must be fitted with non-combustible ember guards. Roofs must be fully sarked. No roof mounted evaporative coolers allowed.

BAL - FZ

Roof cladding materials must be non-combustible. Roof materials must have an FRL of 30/30/30 or tested for bushfire resistance to AS 1530.8.2. The junction between roof and wall must be sealed. Gutters and other openings must be fitted with non-combustible ember guards (Figure 1.3). Roofs must be fully sarked. No roof mounted evaporative coolers.



Figure 1.3 - GPS Ember Guard, a non-combustible gutter fitting.

For more information on Bushfire Attack Levels, the Australian Standard (AS3959-2009) can be accessed [here](#). This copy does not contain recent amendments. The amended copies can be purchased at these links; [Amendment 1 - 2009](#), [Amendment 2 - 2011](#), [Amendment 3 - 2011](#).