



Simple  
Efficient  
Effective



## Solar Panel Protection Mesh

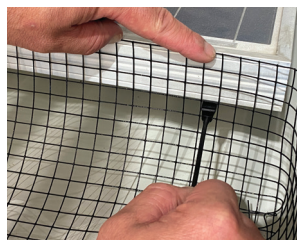
The area under solar panels is a common place for birds to nest. These nests can lead to a reduction in the efficiency of the panels, unsightly bird droppings all over the roof, and lice infestations inside your home. Our PVC-coated, stainless-steel wire mesh system can be installed to solar panels and does not compromise or void your solar panel system warranty, unlike many other methods which are considered 'unauthorised modifications'.

Our solar panel protection system is available in 30m kits and includes 1 x 30m roll of Karben Vermin Mesh, 100 x solar panel mounting clips and washers, 20 x cable ties.

Scan QR code for full  
installation video



Karben Solar Panel Kit



Karben Vermin Mesh

## Providing peace of mind

Karben Industries Pty Ltd manufacture and wholesale market leading products used in the gutter guard, ember guard and solar panel protection industries. So whether it is leaves, birds, vermin or bushfires and embers that you need protection from, we have a solution for you.

Many local councils now demand appropriate gutter guard and ember guarding be installed on buildings constructed in bushfire-prone areas. We have a range of CSIRO-tested and Australian Standards-compliant products for all Bushfire Attack Levels (BAL-12.5, BAL-19, BAL-29, BAL-40 & BAL FZ). Our compliance information is available upon request.



T 1300 527 236  
(1300 KAR BEN)

E [info@karben.com.au](mailto:info@karben.com.au)

1/3 Palm Tree Road  
Wyong NSW 2259

## Gutter Guard Supplies



Simple  
Efficient  
Effective

## Gutter & Vermin Protection

- ✓ Gutter Guard compliant with AS3959-2018\*
- ✓ Suitable for all Bushfire Attack Levels (BAL'S)\*
- ✓ Available in kits for tiled and metal roofs
- ✓ Solar Panel protection kits also available

\*Compliance information available on request

[www.karben.com.au](http://www.karben.com.au)

[www.karben.com.au](http://www.karben.com.au)

## Gutter Guard Specification

Suitable for use on most roof profiles

### Install Karben Guard® & enjoy:

- ✓ Low-maintenance gutter protection
- ✓ Clean and clear rainwater collection
- ✓ Prolonged life for gutters and valleys
- ✓ Reduced chance of internal flooding
- ✓ Gutter protection from bushfire hazards
- ✓ Protection from birds and vermin
- ✓ Additional style and value to your home

#### Aluminium Mesh

- Expanded premium commercial-grade aluminium
- Aperture 3.5mm
- Strand thickness 0.5mm/width 1mm
- Polyester-based powder coating designed for harsh Australian conditions
- Complies with AS 3959-2018 (Building in bushfire-prone areas)
- 15-year product warranty
- Available in a range of colours

#### Woven Aluminium Mesh

- Woven commercial-grade aluminium
- Aperture 1.9mm
- Suitable for use as gutter guard or ember guard
- Polyester-based powder coating
- Strand thickness 0.5mm/width 0.5mm
- Complies with AS3959-2018
- 15-year product warranty
- Available in a range of colours

#### Polyethylene Mesh

- High Density Polyethylene (HDPE)
- Only 100% virgin, food-grade, HDPE raw materials
- Manufactured using industry-leading extrusion technology
- Strand thickness 2mm/width 2mm
- Aperture 3.7mm
- 10-year product warranty
- Available in a range of colours



BEFORE



AFTER



BEFORE



AFTER

## Installation procedure

### 1 Cleaning gutters

Nobody enjoys cleaning gutters, however it is important that all gutters, valleys and downpipes are thoroughly cleaned prior to installation. Your gutter guard installer should clean and clear all debris prior to installation.



### 2 Attaching the mesh to the gutters

After the gutters are clear the mesh is screwed onto the outer edge of the guttering. A small capping is installed to neatly and firmly secure the mesh to the guttering.



### 3 Shaping the mesh to your roof

Some strategically positioned cuts are made in the gutter mesh to help shape it to the contours of your roof. This fabricating process ensures the gutter mesh looks good and works even better.



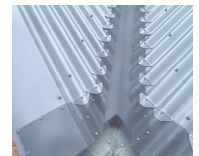
### 4 Attaching the mesh to your roof

On tiled roofs the second row of tiles is lifted slightly and the gutter mesh tucked underneath. On a metal roof, specially designed clips are screwed into the roof to hold the mesh down firmly against the corrugations.



### 5 Covering the valleys

Uniquely our products are also adaptable to roof valleys. The mesh extends over the valley irons ensuring that from end to end and top to bottom your roof gutters are protected.



### 6 Securing around hips and gables

The final step in the installation process is securing the gutter mesh around the hips and gables. High-quality roof and gutter silicon is used to fasten the mesh to the ridge capping so that no leaves can get in anywhere.



To see detailed installation videos please scan QR code

