

Blue Mountain Co
GUTTER MESH

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bluemountainmesh.com.au

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GUTTER MESH

Steel Mesh Tile Roof



2mm, 4mm & 5.4mm
Installation Guide

Installation

PRE INSTALLATION CHECKLIST

SAFETY INSTRUCTIONS

- Take appropriate safety precautions while working at heights. Please check with relevant local and/or state authorities to see if there are any safety laws or rules that apply to working at heights in your area.
- Please read all instructions carefully and completely before commencing the installation.
- Use personal protective equipment (PPE) including appropriate clothing when handling and working with gutter mesh and gutter mesh componentry.
- Seek professional advice or call us if you do not understand any of the installation instructions
- Only use the recommended componentry and accessories. Use of non-recommended items may create a hazard and will void the warranty of the product.

TOOLS

- Flathead screwdriver
- Cordless drill
- Tin snips
- ¼ inch magnetic setter bit
- Brush, vacuum or leaf blower (for cleaning gutters prior)
- Ladder or trestles & plank
- Personal Protective Equipment (PPE including eye protection, gloves, UV protection, footwear, fall restraint device, etc.)

SITE PREPARATION

Clean out all gutters to remove leaves and debris, before fitting Blue Mountain Co Gutter Mesh.

KIT COMPONENTS

EXAMPLE

2mm Steel
Tile Kit

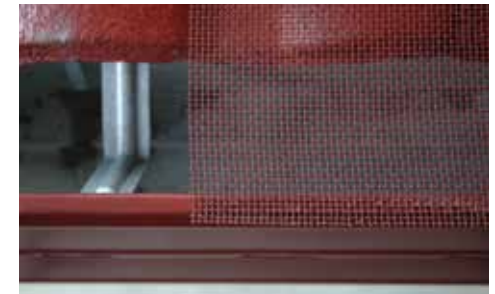
1. Gutter mesh (including domed valley mesh if ordered)
2. Safety clips
3. Standard clips
4. Z-Clips (if requested)
5. Metal screws
- 6a. Standard gutter trim
or
- 6b. Mesh Lock Gutter Trim
(Gutter trim is mandatory for 2mm mesh; optional for 4mm or 5.4mm mesh)



TILED ROOF



STEP 1. Install safety clips every 1.8m where two tiles meet. To install, slide the safety clip beneath the front edge of the second tile until it hooks over the back of the first tile. Use a flat head screwdriver to lever the second tile up as required. The safety clip provides a secure screw point for the mesh.

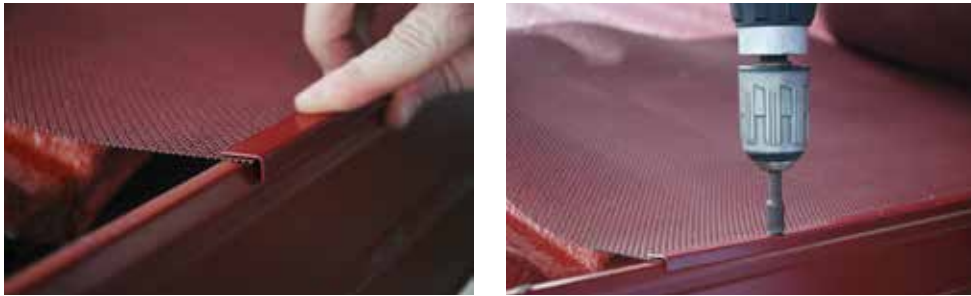


STEP 2. Place the roll of mesh on the roof. The edge of the mesh should rest on top – and just inside – the gutter edge.



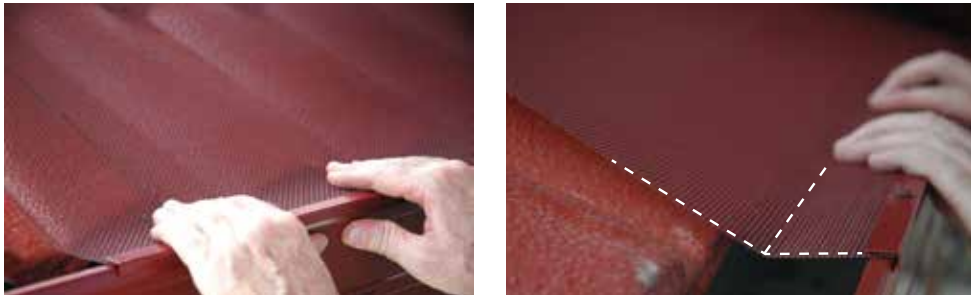
STEP 3. Roll the mesh out along the gutter edge. We recommended screwing the mesh to the gutter edge at both ends to hold the mesh in place.

TILED ROOF



STEP 4. If standard or Mesh Lock trim is used, place the metal trim over the mesh. The mesh should rest under the trim and against the front edge of the trim. Secure by placing a metal screw in every pre-made hole. Do not over-tighten the metal screws. If trim is not used, screw the mesh to the gutter edge every 250mm.

INSTALLATION TIP: As a guide, tighten the screw to the point where the rubber washer begins to compress.



STEP 5. For 2mm mesh, pinch the mesh at the gutter edge to form a horizontal platform. This will create a water break to prevent water from flowing to the edge of the mesh during heavy rainfall. For 4mm or 5.4mm mesh, you should consider pinching the mesh when the roof pitch is steep (over approx, 30°).

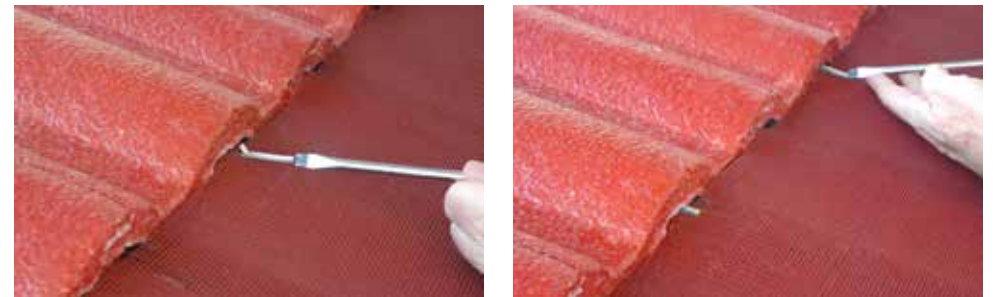


STEP 6. Using tin snips, trim the mesh along the bottom edge of the second tile. This is necessary to allow the mesh to drop and rest flat against the top of the first tile. We recommend testing a short length of trimmed mesh to confirm that the trimmed width is correct.

TILED ROOF



STEP 7. Push the mesh down to the front edge of the second tile.



STEP 8. Install standard clips to the ridge of every second tile. For 2mm mesh, snip one strand of the mesh to allow the standard clip to be inserted. Insert the standard clip through this hole with the tail facing up and push the clip beneath the second tile using a flathead screwdriver. For 4mm or 5.4mm mesh, insert the standard clip through the second last hole in the mesh with the tail facing up and push the clip beneath the second tile using a flathead screwdriver.



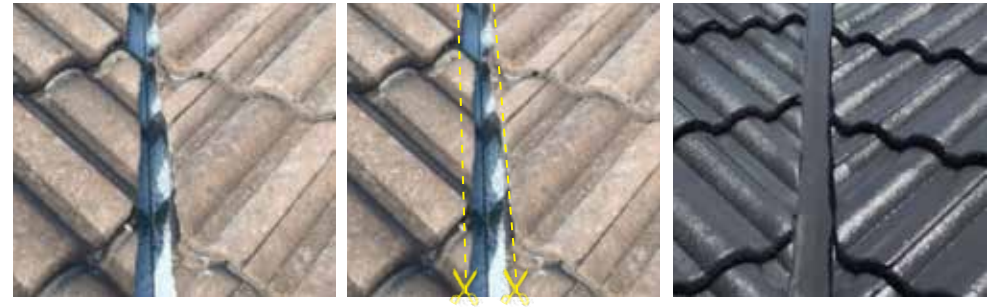
STEP 9. Place a metal screw through the mesh into each safety clip.



JOINING MESH When joining two pieces of mesh, overlap the mesh by 20mm. Place a metal screw through the top and centre of the overlap.



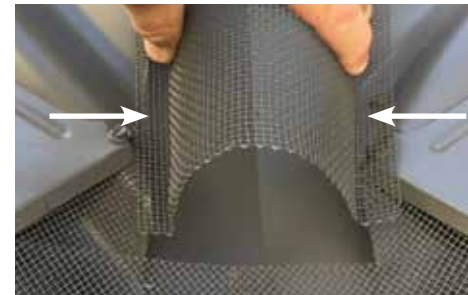
CORNERS Cut the mesh around the edge of the ridge capping. Overlap the mesh above the gutter and join using a metal screw.



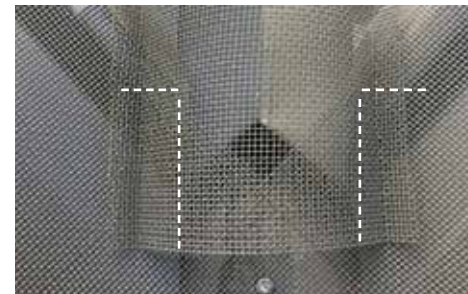
VALLEYS (STEEL DOMED INSTALLATION)

STEP 1. When fitting domed valley mesh to tiled roofs, it is important to have created a uniform gap over the valley gutter or to ensure the correct size domed valley are fitted to the progressive gaps if they change through the length of the valley.

NOTE: To create an even gap you may need to cut the valley tiles up either side of the valley. Ensure the domed valley ordered is appropriate for the gap created.

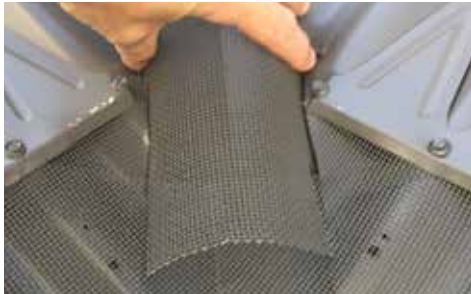


STEP 2. To fit the domed valley mesh, squeeze the mesh together until the folded edges fit beneath the roof sheet on both sides of the valley. Release the mesh so that it spreads and fits snugly under both edges of the roof.



STEP 3. You may be required to cut your domed valley to match your gutter mesh and ridge profile.

VALLEYS (DOMED INSTALLATION)



STEP 4. Start fitting the domed valley mesh at the bottom of the valley, 100mm up from the end of the roof sheet where it enters the gutter. Work up to the ridge overlapping each section by 4 mesh squares. The valley mesh should be fitted over the top of the regular gutter mesh at the bottom of the valley.



STEP 5. Secure each overlapping section of valley mesh together using metal screws provided. For narrower valley mesh, one screw per join is sufficient. For wider mesh, use two screws.

STEP 6. Push the dome flat at the top and bottom to close off all openings and secure the overlap with metal screws.



STEP 7. Finished Steel Domed Valley.

MAINTENANCE

Installing gutter mesh will significantly reduce the volume and frequency of maintenance required for your gutters and roof. On sloped roofs, the mesh slope and over-the-gutter design will ensure that most leaves and debris are blown off the roof and mesh by the wind.

However, no gutter protection system is completely maintenance free, so you will still need to occasionally check and clean your mesh and gutters to remove debris caught on the edge of your mesh or saddles, fine debris that may have collected in your gutters, or leaves and debris that cannot “self-clean” due to your roof slope or gutter type.

Do not remove gutter mesh to carry out maintenance.

We recommend engaging a maintenance professional to clean your gutters and mesh as they have the right equipment, experience and training to do so safely. If you choose to maintain your gutters and mesh yourself, take appropriate safety precautions first.

- Wear protective gloves, protective clothing and protective non-slip footwear.
- Do not wear loose clothing or jewellery.
- Keep your work area clean and orderly.

- Keep children away.
- When using a ladder, follow the manufacturer's instructions or seek professional advice.
- Do not over-reach.
- Stay alert. Watch what you are doing. Use common sense. If in doubt, seek help before proceeding.

Use a leaf blower to remove leaves and debris from on top of your roof and gutter mesh.

If there is any build-up of sediment or fine debris inside your gutters, use a normal pressure hose (through the mesh) to flush it out.

Keep in mind that gutter mesh on flat roofs and box gutters will require more frequent maintenance, as their location and/or pitch make it difficult for leaves and debris to blow off the roof and mesh. If you have trees that drop large volumes of debris, you may also need to conduct more frequent maintenance. Installing gutter mesh will significantly reduce the volume and frequency of maintenance required for your gutters and roof.



PRODUCT WARRANTY

1. Rain Harvesting Pty Ltd (ABN 11 113 300 093) (the Company) of 12 Mayneview St, Milton Queensland 4064, warrants that for the Warranty Period set out in paragraph 2, all Blue Mountain Mesh gutter protection systems product(s) manufactured by the Company (Product(s)) will retain a structural integrity (including corrosion to product failure) to perform as a barrier according to product specification to leaf litter and pests for the duration of the Warranty Period (Warranty).

Warranty Period

2. The Warranty Period is 12 years from the date that the Product(s) are purchased.

Warranty is additional

3. This Warranty is in addition to and does not exclude, restrict or modify in any way any non-excludable statutory rights you may have, including any rights you may have under the Australian Consumer Law (1).
4. The Company provides the following advice to all Customers who are "consumers" as defined by the Australian Consumer Law and to whom the Australian Consumer Law applies, as required by the Australian Consumer Law:

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Conditions to claiming under this Warranty

5. You must provide the original proof of purchase for the Product(s) and proof of the date of installation to claim on the Warranty.
6. You must notify the Company within a reasonable time (and in any event no more than 30 days) after you first noticed or ought reasonably to have noticed the issue/defect. If you do not notify the Company of the Warranty claim within a reasonable time of you first noticing the issue/defect, the Company may in its absolute discretion deny the claim and you will have no liability under this Warranty.
7. This Warranty only applies where a defect has arisen, wholly or substantially, as a result of faulty manufacture, parts and where such defect appears during the Warranty Period.
8. You must be able to lawfully allow the Company to inspect the property on which the Product is installed to determine the cause of the problem.
9. This Warranty does not cover nor extend to, in respect of the exterior paint system, normal weathering which includes a natural reduction in paint gloss and a natural colour change of the paint finish. This Warranty does not cover against aesthetic surface corrosion including teabag staining.
10. This Warranty covers only the Product, it does not cover the gutter, fascia boards, or roof substrate or surface, or any damage to those items caused by the installation of the Product.
11. The Company does not guarantee that any replacements of the Product made under the Warranty will be in all respects identical with the replaced Product, or precise colour matching, but it will use its best endeavours to use a Product as closely matching the original as possible.

Exclusions

12. The Warranty does not apply in the following circumstances:
 - a. where the Product(s) have been installed less than 500 metres from a salt marine environment (calm or breaking surf) or heavy industrial conditions;
 - b. where non Company fixtures are used in the installation of the Product or any other non Company approved materials are used;
 - c. where mechanical, chemical or other damage has been sustained during the handling, storage or installation of the Product or subsequent to delivery of the Product;
 - d. where the damage has been sustained due to chemical agents, fumes, liquids or solids (other than direct acidic free rain or acidic free run off) falling onto the Product;
 - e. where the Product(s) have come in contact with soil, ash, fertilizer, moisture retaining substances, lead or copper and other dissimilar metals, chemical agents, liquid from copper flashings or copper pipes, green or wet timber or treated timber (Refer to Corrosion Technical Bulletin CTB-12 "Dissimilar Metals" and CTB-13 "Contact with Timber", which are available from www.bluescopesteel.com.au for further information);
 - f. where the Product(s) have been subject to an unusually corrosive environment or have been placed in heavy industrial conditions;
 - g. where the damage results from a storm and tempest, earthquakes, hurricanes, tornadoes, cyclones, typhoons, gales, lightning, hail, fires, flood and other similarly extreme "acts of God";
 - h. where the Product has not been installed in accordance with
 - i. Company installation guidelines
 - ii. BlueScope Steel guidelines (refer to Corrosion Technical Bulletin CTB- 12 "Dissimilar Metals", which are available from www.bluescopesteel.com.au);

PRODUCT WARRANTY CONT.

- iii. appropriate building code and/or standard or in accordance with the requirements of the local government authority or the Product has been installed on a building that does not comply with the above codes and or standards;
 - i. where the Product(s) have not been maintained in accordance with the maintenance instructions for the Product(s);
 - j. where there has been a failure to remove debris and/or allow free drainage of water (including condensation) from all surfaces surrounding the Product;
 - k. where the damage has arisen as a result of a failure to replace corroded fasteners/rivets;
 - l. where the damage is accidental or is intentional damage caused by a person or damage caused by an animal;
 - m. where the Product has come into contact with lead or copper or is subject to water run-off from lead or copper materials;
 - n. where the damage arises due to normal wear and tear;
 - o. where you have failed to specify a site condition or specification at the time of ordering the Product(s), which subsequently affects the operation of the Product(s);
 - p. where damage is caused by abuse, mishandling or failure to follow operating instructions; or
 - q. where damage occurs during shipping or other transit.
13. This warranty is void if post paint treatments or systems have been applied to the Product.
 14. Subject to any applicable laws which cannot be excluded, modified or restricted, including as described in paragraphs 3 and 4, this Warranty does not cover:
 - a. injury to persons, damage to property, loss of income, profit or business or any other consequential or indirect loss arising from or in any other way connected with the use or failure of the Product otherwise than as expressly set out in this Warranty.

How to claim under this Warranty

15. Instructions for making a claim under this Warranty:
 - a. You must contact the Company on (07) 3248 9600 between 9am-5pm or to 12 Mayneview St, Milton Queensland 4064 or info@bluemountainco.com
 - b. You must provide the Company with a description of the problem encountered with the Product(s), the Product(s) part number or description and date of purchase. Most importantly, you must provide the Company the original proof of purchase (such as a receipt or any other evidence of the purchase). You will bear the cost of notifying the Company of any claim you make under this Warranty.
 - c. Claims under this Warranty may only be made within the Warranty Period.

What the Company will do

16. Subject to clauses 5 and 6:
 - a. If the Company is informed of any claim within the Warranty Period and that claim is within the terms of this Warranty, the Company will make arrangements for the replacement of the Product(s), at the sole discretion and cost of the Company.
 - b. If the Company does not accept a claim under this Warranty, the Company will inform you in writing that the Warranty claim was not accepted and the reasons for non-acceptance. You will bear the cost of any freight for the return and dispatch of the Product(s), and the cost of any repairs undertaken by the Company if requested by you to do so.

Disclaimer

You acknowledge and agree that the information, data, advice, opinion, plan or other thing (**Material**) provided to you by **Rain Harvesting Pty Ltd (ABN 11 113 300 093) (we, us, our)** is provided "as is" without any representation, warranty, indemnity or guarantee as to the performance, accuracy, timeliness, completeness, merchantability or fitness of the Material for any particular purpose or application. The Material may contain errors, mistakes, inaccuracies and may not be complete. We expressly exclude any liability for such performance, accuracy, timeliness, completeness, merchantability or fitness of the Material for any particular purpose or application, to the maximum extent permissible by law. Unless we expressly specify otherwise, we disclaim all responsibility and liability for any third party provided advice or provision of services, or failure to advise or provide services. The disclaimers above are subject to the rights, warranties, guarantees and remedies relating to the provision of services that you have under, and that cannot be excluded, restricted or modified under, the Australian Consumer Law. For more information, please see our Services Purchase Terms at www.bluemountainco.com.au

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