

Working at heights on slippery uneven surfaces can be very HAZARDOUS.

Every effort should be made at all times to reduce the risk of injury and property damage (Contact your local Work Cover Authority or local council for site specific safety regulations)

#### WHEN ENGAGED IN WORK AT HEIGHTS

- Use a safety harness anchored correctly (have a contingency with an extra person to assist any potential falls)
- Wear non slip shoes, do not over extend your weight transfer at any time
- Protective clothing from the sun and the mesh are to be worn, (i.e. hats, gloves, sunscreen)
- Do not work in the rain or on wet surfaces
- The mesh itself can be very slippery, do not step on it or leave off cuts lying around
- Use only rated Ladders and scaffolds setup suitably on stable even ground
- Make sure there are no overhead power lines in your vicinity
- Ensure your tools are well maintained, it will give you a better result
- Keep children and pets away from the work area at all times
- Handle the product with care, (wear gloves) it does have sharp edges
- Use a ladder safe bracket to reduce chance of ladder slipping or damaging gutters

What's included in the kit:

- Premium fire rated mesh
- Corrugated Roof saddles
- Self drilling screws
- Solar panel clips
- Self sealing washers

Tools needed

- Cordless drill/screw gun with correct drives, drill bits
- Tinsnips,
- Any applicable safety equipment (harness)

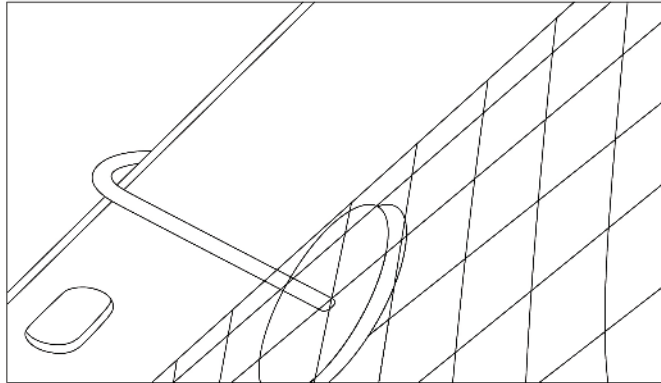
## **1) Preparation**

- Pre cut the mesh into smaller lengths if needed on the ground for easier handling on the roof.



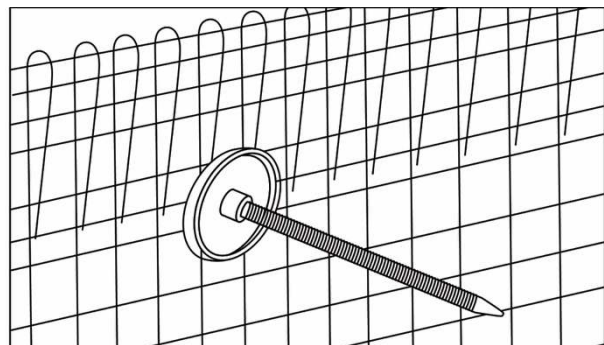
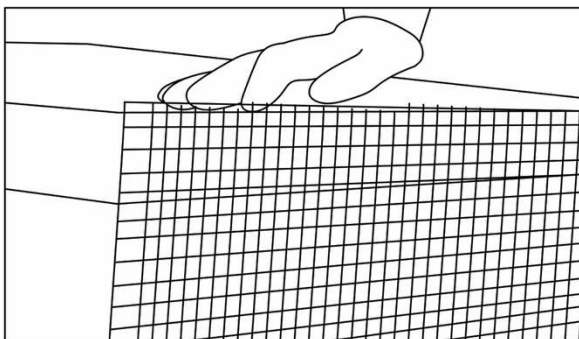
## **2) Installing the mesh (mesh to panels)**

- Attach the Aluminum clips to the underside of the solar panel approximately every 40cm



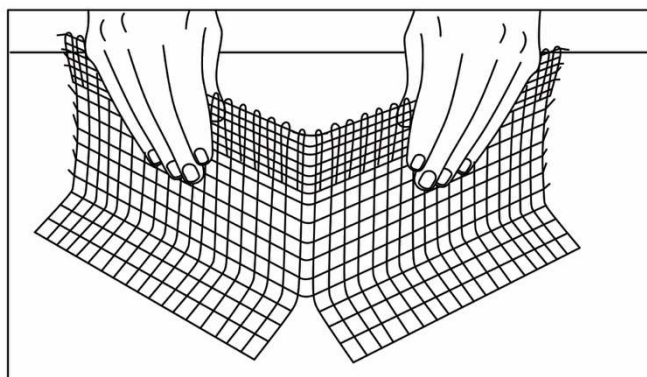
## **3) Fix the mesh to the panels by using the Aluminum clips and washers .**

- Align the mesh to the top of the solar panels and guide the fasteners through the mesh
- Fit the washers onto the fasteners the then push them tight
- Cut off any excess length of the clip



## **4) Outside Corners**

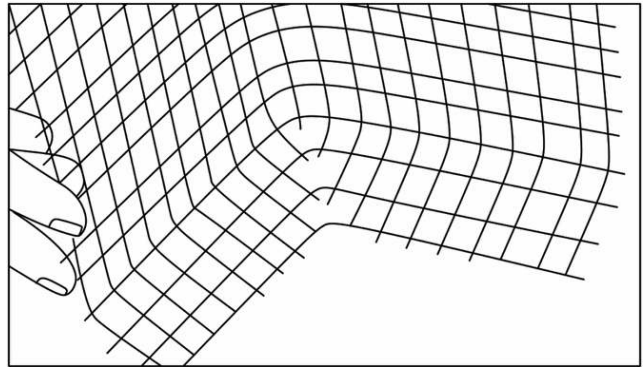
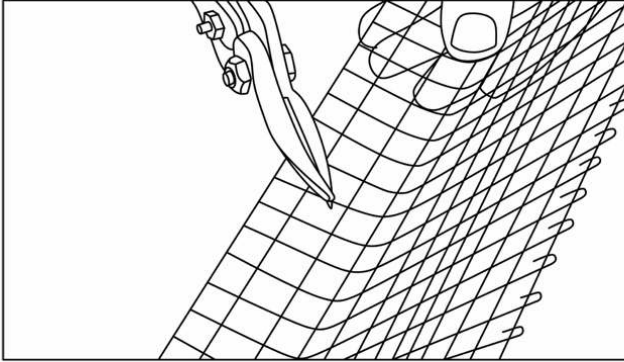
- For outside corners cut a slit in the mesh the same length as the amount of mesh that lays against the roof.
- Bend the mesh at a 90° angle and fit it around the corner securing with the solar clips





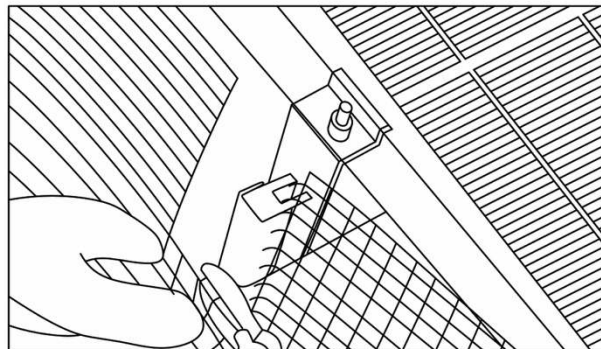
## 5) Inside Corners

- For inside corners cut the mesh at 45° to form a triangle then bend the mesh together so that the cut ends overlap



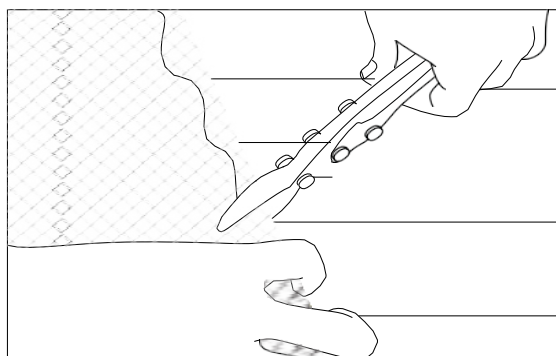
## 6) Handling Obstructions

- If you come across obstructions such as solar panel racks cut around the obstruction using a wire cutter
- Be careful to make sure it is a tight fit so no birds or animals can get around the mesh



## 7) Fitting the mesh to the Roof

- Make two 40 mm cuts in the mesh under each saddle on every second corrugation before screwing down. This will help the mesh contour with the profile of the roof.
- Then place the saddle on the edge of the mesh so that the top of the saddle sits just above the top of the mesh.

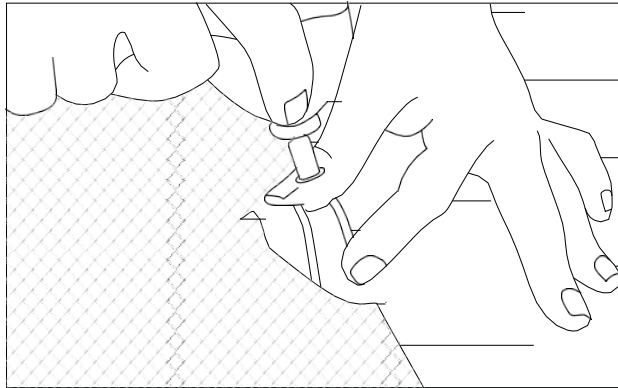




### **8). Fixing the mesh to the roof**

- Screw the saddle down into the roof using screws provided. Be sure to put pressure on the saddle and drill to avoid saddle slipping around.
- Take care when positioning the saddles to achieve a quality result.
- Do not over-tighten screws as this could strip the thread created in the roof
- Work on 1 meter of fitting at one time.
- Firstly two saddles 1 meter apart. then a saddle in between, then the remaining saddles.

Enough Clips are included to do every other saddle on a standard roof for a tight professional finish



### **MAINTENANCE**

In most cases debris will clear off the roof with the wind. In areas of high levels of debris you may need to gently sweep or blow it off the roof  
Please note that the mesh on your roof can be very slippery, do not walk on the mesh to reduce chance of damage and a fall.