

# ROOF MEASURING GUIDE



QLD EXPANDED METALS COMPANY

## MEASURING TECHNIQUES



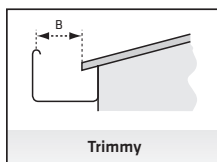
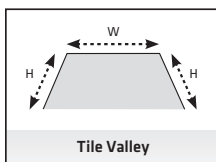
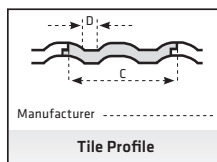
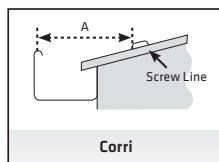
1. This Booklet is designed to assist with measuring techniques.
2. Dimensions should be in Linear Metres.
3. QEMCO standard mesh strips are 200mm x 1200mm & available in all COLORBOND® primary colours.
4. Mesh can be supplied from our factory wider than the standard 200mm, additional costs will apply.
5. Be sure to follow the QEMCO worksheet for the 5% overlaps.
6. QEMCO factory, custom manufactures every order received. It is important that you take the time to measure your jobs correctly as the factory takes no responsibility for miss measured jobs.

## WORKSHEET

### Your Reference Only

Note: +5% allows for mesh overlaps  
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☐ Tile: \_\_\_\_\_ DIM: C \_\_\_\_\_ mm DIM: D \_\_\_\_\_ mm  
☐ T/Valleys: \_\_\_\_\_ +5%: \_\_\_\_\_ DIM: W \_\_\_\_\_ mm DIM: H \_\_\_\_\_ mm  
☐ Corri: \_\_\_\_\_ DIM: A \_\_\_\_\_ mm  
☐ C/Valleys: \_\_\_\_\_ +5%: \_\_\_\_\_  
☐ Trimy: \_\_\_\_\_ +5%: \_\_\_\_\_  
☐ Trimy/Valleys: \_\_\_\_\_ +5%: \_\_\_\_\_  
☐ Flat: \_\_\_\_\_ +5%: \_\_\_\_\_  
**Colour:** \_\_\_\_\_



Large dotted grid area for calculations.

**NOTE:** All persons involved in the measuring process MUST be familiar with this standard graph sheet and the dimensions it refers to. For example, Dimension 'A', Dimension 'B', etc...

Figure 1.

# HOW TO MEASURE CORRI

## Step 1

Utilising a new graph sheet, draw a plan of the gutters & valleys. *See figure 2.*

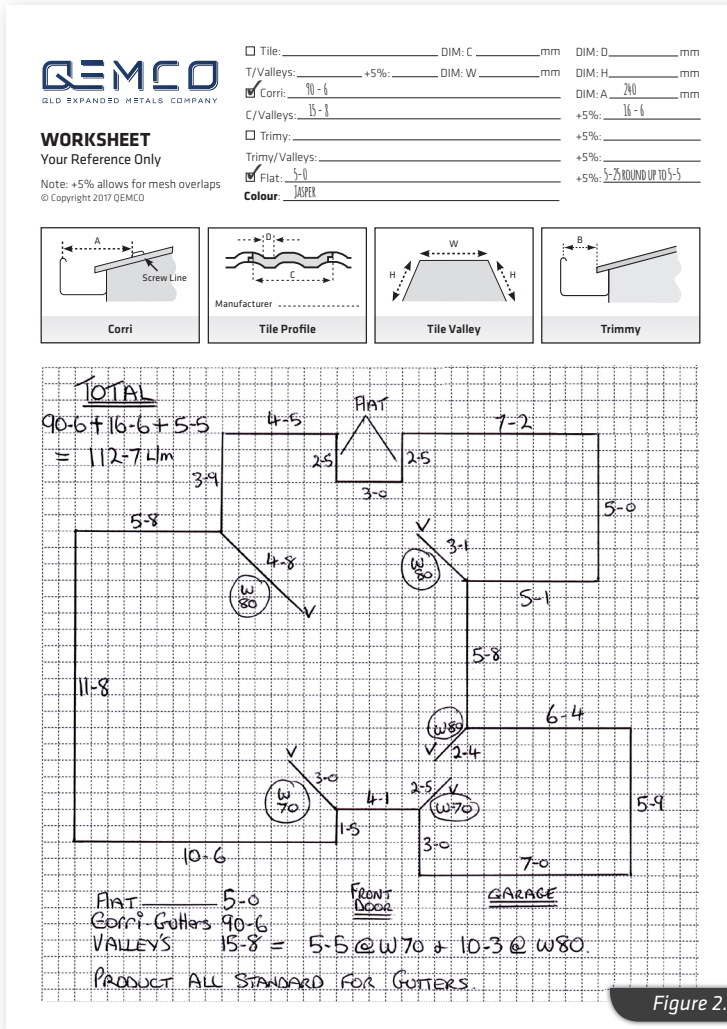


Figure 2.

## Step 2

- Measure gutter & Valley lengths & record on graph sheet.
- Pay attention to dimension "A" for Corri. On some installations this dimension may be less than the standard 200mm product width. If so you need to order your product 15-20mm narrower than the standard so as not to fowl on the roof screw heads.

### RAKE ANGLE

Attention should also be at the roof pitch angle. In some cases if you have a low pitch roof and Dim"A" is less than standard, you may end up with a negative rake angle on your product (*Fig. 3*). This can trap debris.

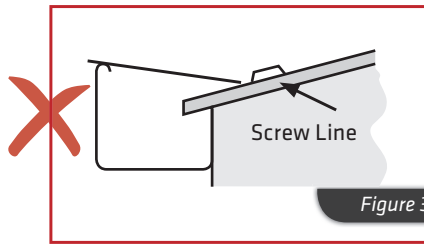


Figure 3.

If so, make your product wider & go over the top of the roof screw to maintain a positive angle (*Fig 4 & 5*).

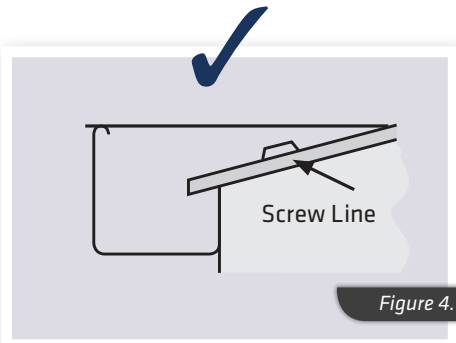


Figure 4.

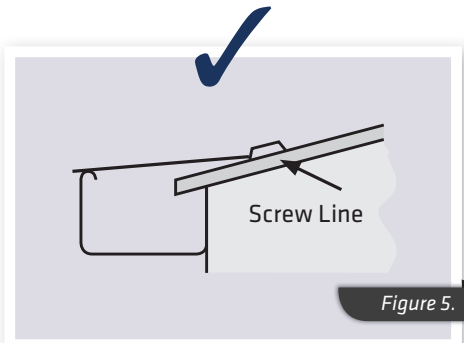


Figure 5.

**NOTE:** Make sure you allow the extra costs associated with wider product when you calculate your quote.

## ■ Step 2 (Continued)

### VALLEYS

Measure the valley width. If it is say, 80mm wide, top to bottom, then you will order them @ 70mm. It is important that you take off 10mm from your actual widths to allow for vertical legs of the valley product to take up the space. (Applies to all roof valleys) If you find your valleys are not even you may need to order different widths of the product. These can be ordered in increments of 5mm.

**NOTE:** *Valley widths that use more than the standard 200mm product will need to be noted for additional product costs.*

### CORRI VALLEY PROFILES:

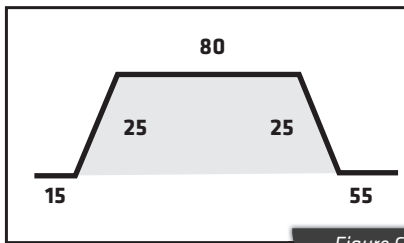


Figure 6.

Example of 80mm corri valley made from STD Product.

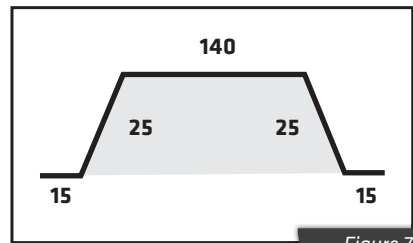


Figure 7.

Example of 140mm corri valley, 220mm width product required. Additional 20mm costs.

*(Adding all dimensions gives total width)*

### FLAT PRODUCT:

Flat product may be used in various locations. A parallel gutter to the roof line will require flat product. Measure the length & note on your graph sheet to order.

## Step 1

Utilising a new graph sheet, draw a plan of the gutters & valleys. *See figure 8.*

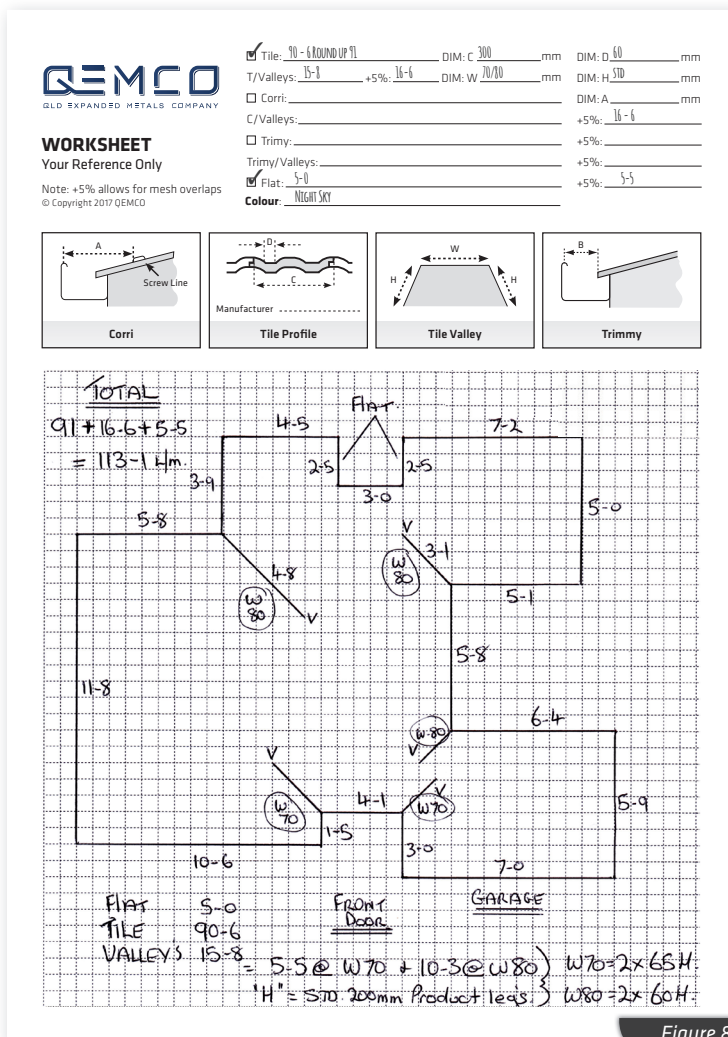


Figure 8.

## ■ Step 2

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Determine tile profile from details on graph sheet. If you come across a flat tile profile simply use flat product & use the flat area on the graph sheet. It is important that you note that this is for Flat Tile when ordering.

## ■ Step 3

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Check roof angle, rake angle & Product width.

## ■ Step 4

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Valleys are measured the same. You will need to pay attention to the “H” dimension. However this is not as critical as for the corri valleys, but will need to be noted. Some tile profiles may need longer legs (“H”)\* Valley widths & additional costs will also need to be observed when wider applications are required.

**NOTE:** *Top of valley product should be level with top of tile.*

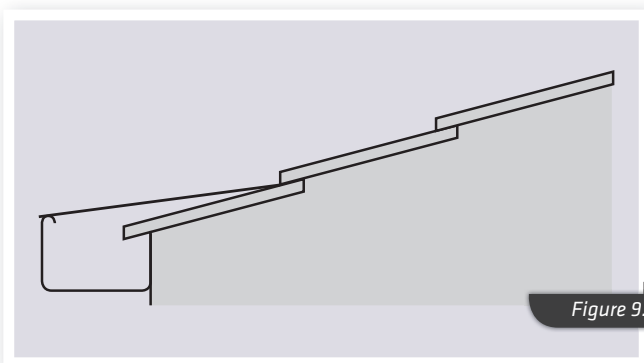
## ■ Step 5

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### TERRACOTTA

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It may be necessary in the case with Terracotta tiles to use wider flat product & go over the first row of tiles (*Fig 9*). If this is the case you should measure from the lip of the gutter back up to the face of the second row tile nose & record. Usually around 400mm, you should allow an extra 20mm for trimming.





## TRIMDEK (TRIMY)

### ■ Step 1

Measure up, details are similar to Corri & Tile.

### ■ Step 2

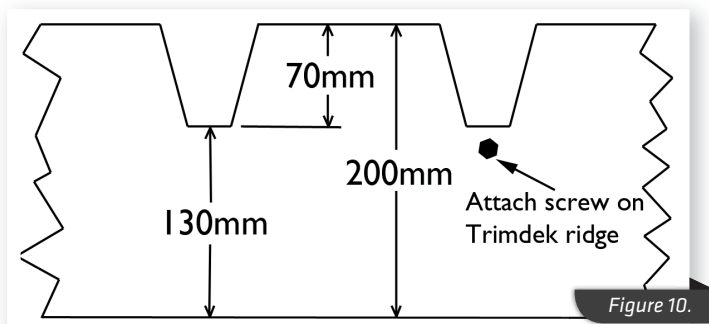
Check roof angle, rake angle & product width.

### ■ Step 3

Dimension “B” is critical as outlined on graph sheet. This dimension can vary with the slope of your gutter & is not uncommon to vary some 50mm. Standard trimy product has 130mm of free mesh space after factory profiling.

**NOTE:** Remember wider product can be supplied on request. Note additional costs will apply to wider product over & above STD 200mm.

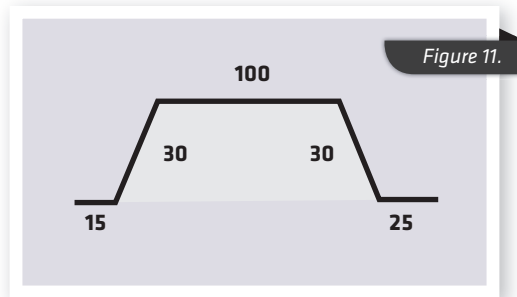
### TRIMDEK (TRIMY) PRODUCT TYPICAL DIMENSIONS:



## ■ Step 2 (Continued)

### TRIMY VALLEYS

Similar to corri valleys with the exception of the height of the leg.



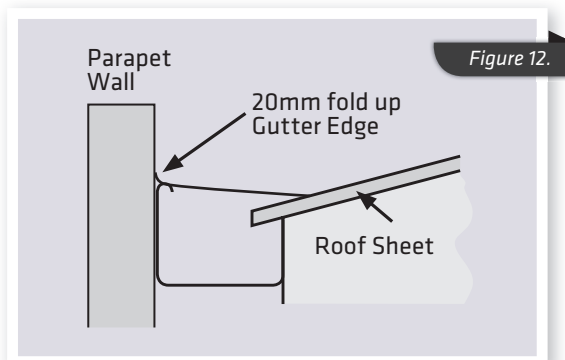
When details are placed onto the graph sheet all calculations will be the same as for the corri details with the exception for dimension “B” instead of “A”.

### BOX GUTTERS

Box gutters usually are against a parapet wall. Important to note the distance from the wall to the roof sheet attachment area.

Maintain a minimum rake angle of 5° towards the roof sheet.

Also add to this measurement 20mm for your 90° fold for attachment of product to wall. Box gutters will require periodic cleaning of debris.



## CHECKLIST (REFER TO WORKSHEET)



- Have you completed the roof plan correctly.
- Have you recorded all gutter linear metre measurements.
- Have you recorded all Valley lengths & widths.
- Calculations of all measurements should be done at least twice.
- Record totals in the correct profile location.
- Is the tick box marked for the correct product?
- Record "Dim:..." as required.
- Have you added 5% overlap where appropriate?
- Use High Lighters to separate different "Dim:...".
- Use worksheet to record any additional tools or equipment that the installers may need.
- Record roof pitch.
- Double check the COLORBOND colour has been correctly identified & recorded.



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V3.0

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