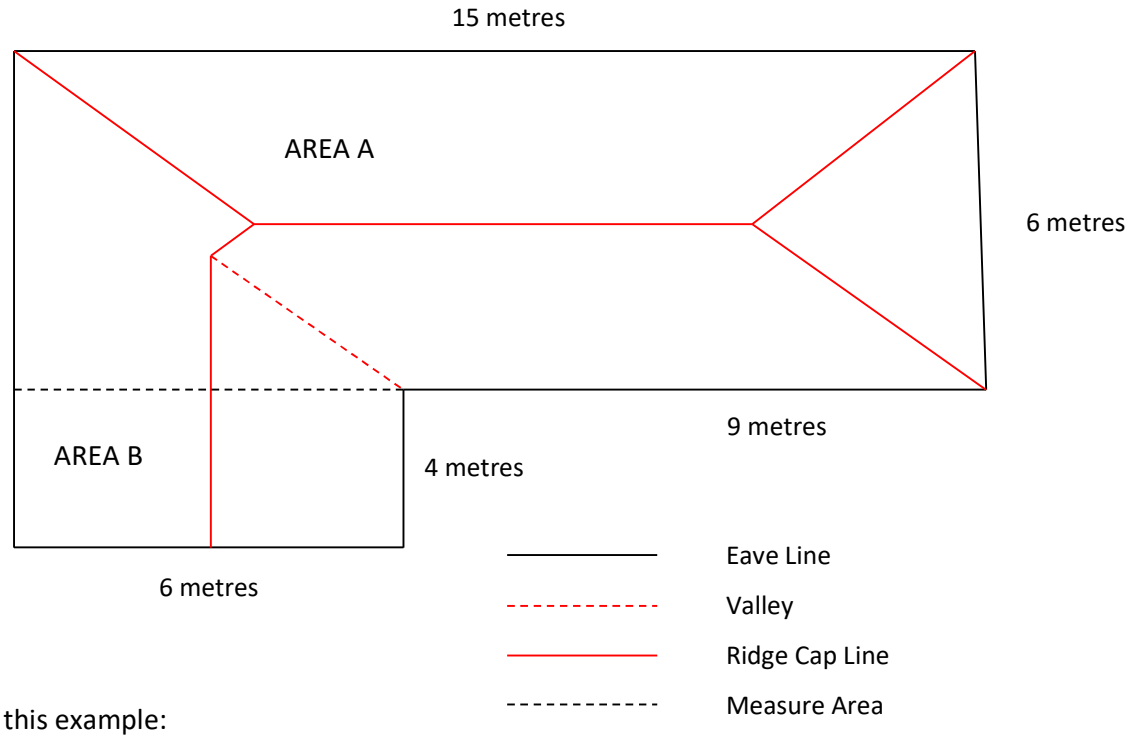
Roof Area Calculation – for Roof Restoration

When planning a Roof Restoration job it is important to calculate the area of the roof so that the correct quantities of materials can be ordered.

The following calculation is used as a simple method to calculate the surface area of the roof from the floor plan.

Work out the BASE AREA from a plan or sketch of the house that shows the length of the walls. eg.



in this example:

AREA A = 15 x 6 = 90m²

AREA B = 6 x 4 = 24m²

TOTAL = 114m² BASE AREA

Now we must allow for the roof area that overhangs the walls, ie for the Eaves

Multiply BASE AREA by 1.10. (If there are no Eaves, ignore this step)

for the above example, 114 x 1.10 = 125.4m²

And now we must allow for the corrugations in the roof surface and for the Roof pitch (slope), typically between 25° & 38°

Multiply (BASE AREA + EAVES) by 1.35

for the above example, 125.4 x 1.35 = ~169m² Total Roof Area

These calculation will suffice for most roofs but a larger factor might be appropriate for a steep pitch and/or a deep corrugation. In such a case use BASE AREA x 1.10 x 1.40

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