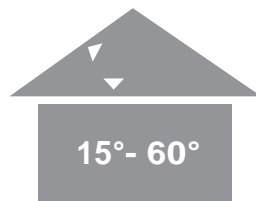


Installation Instructions of Hometech Fakro WGI Windows Flashing Attached

Suitable for corrugated, concrete tile
and pressed metal tile roof types



For roofs with minimum pitch 15°
and maximum pitch 60°

IMPORTANT: Read ALL installation instructions before commencing installation.

These instructions are to be read in conjunction with the
FAKRO installation guides included in the product packs.

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PLEASE NOTE: Special Instructions for different roof profiles are found at the rear of these instructions – please read before proceeding to install.

Hometech FAKRO windows are typically sold supply only. However, this product must be installed by either Hometech certified installers or by other competent persons.

Please note that Hometech FAKRO recommend you read all instructions prior to installation. Commencement of installation is considered confirmation that you have received and read all installation material. Hometech provides technical support for installation, but takes no responsibility for workmanship of others, nor responsibility for leaking of the skylight, if the product has not been installed to these manufacturer's installation instructions. Hometech has an installation service that can be provided for a fee, quoted before commencement of the installation of the skylights.

New Zealand Installation Instructions for Fitting the WGI Window to Batons

- 1) The FAKRO Skylights must be installed to roofs with a minimum pitch of 15° and a maximum of 75°.
- 2) The skylight must be installed above a complete row of tiles for concrete or pressed metal. On existing corrugated iron roofs, install the skylight above a horizontal lap.
- 3) The following distances should be maintained between the frame and roofing material.

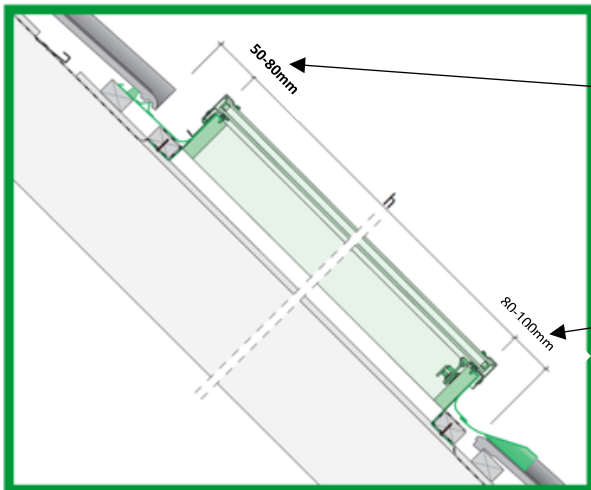
Below the lower edge: 80-100mm

Along the sides: 30mm

Above the upper edge: 50 - 80mm

(See over page)

There are two differing ways to install the WGI window. Either from inside the roof space if installing onto a Concrete Tile or terracotta tile roof. This is because you can remove the concrete tiles from inside the roof space and baton out the WGI window frame from the inside. If installing onto any other roofing material. Eg. Corrugated Iron, Metal roof tiles, then this product needs to be installed from on top of the roof.

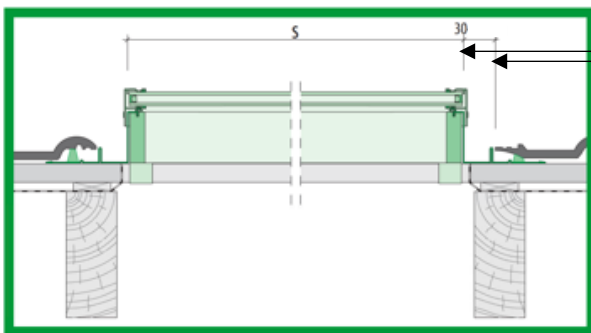


When placing the window on the roof batons, make sure there is between 50-80mm distance between the top of the window frame and the roofing material.

(Above the upper edge)

Make sure there is 80-100mm distance between the bottom of the roof window and the roofing material

(Below the lower edge)



When placing the window make sure there is between 30mm distance between the sides of the window and the roofing material.

1 Figure 1 shows the size of the hole needed to be cut for the placement of the window.

If installing on a corrugate iron roof, you'll need to remove the sheets of iron around the installation position. This is so you can easily position the window and then re-lay the cut corrugated iron back around the window once it has been positioned and fixed.

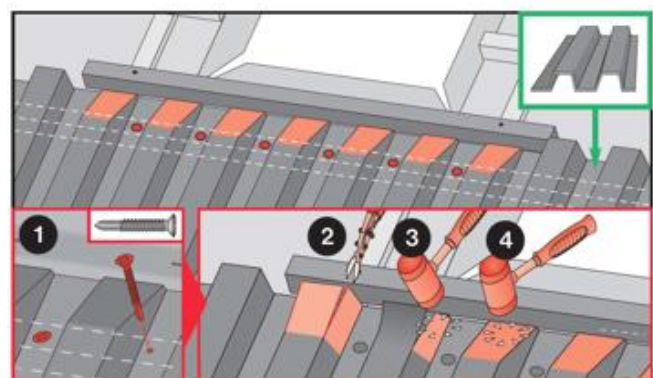
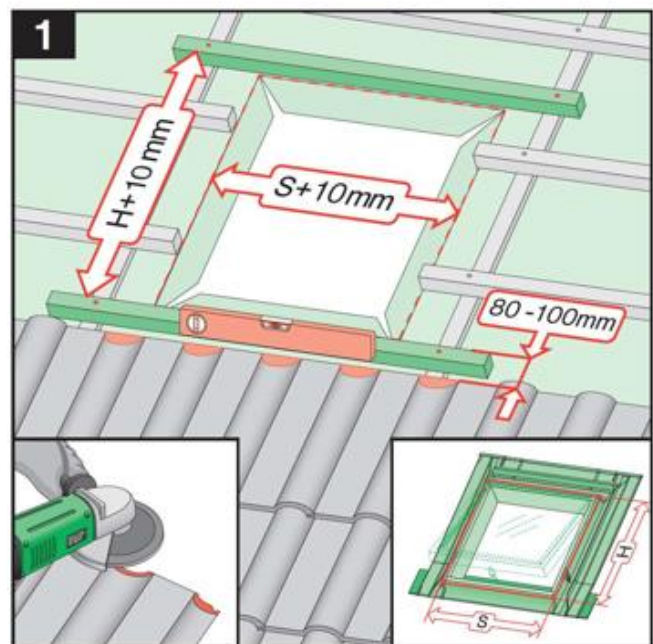
Batons need to be placed at the top and bottom of the cut hole. Use a spirit level to make sure the batons are even and level. (See Diagram 1)

Place your new batons in position. The top of the bottom baton should be 80-100mm from the top of the corrugated iron or tiles.

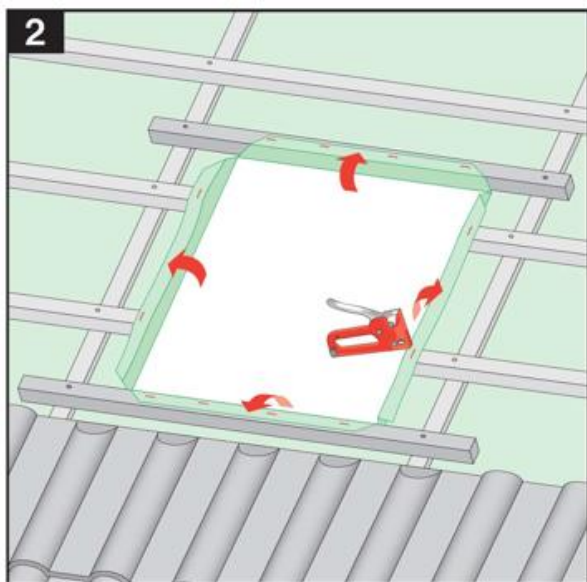
H is the vertical length of the window. The hole length should be $H + 10\text{mm}$. (See Diagram 1)

S is the horizontal width of the window. The hole width should be $S + 10\text{mm}$. (See Diagram 1)

Cut the building paper as shown, diagonally cutting away at the corners. This will help to divert any condensation running down the building paper.



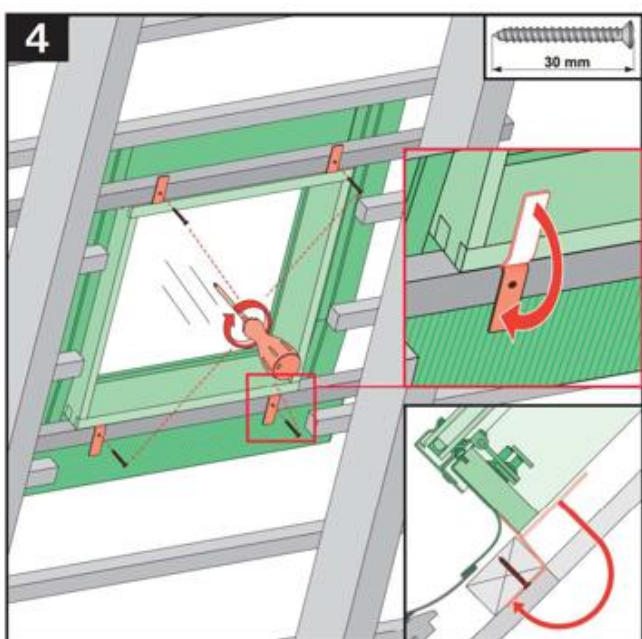
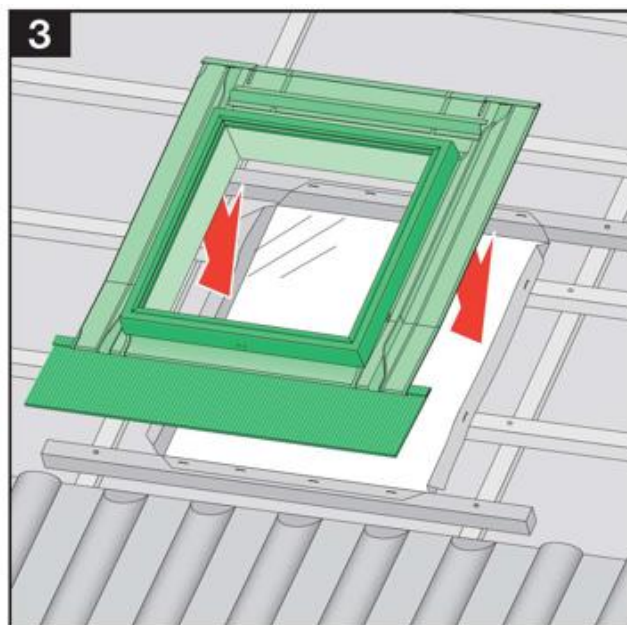
If the roof is corrugated iron or long run, cut the tops of the iron approximately 30mm down at the bottom of where the window will be placed. (See the bottom of figure 1 – Numbers 2,3, & 4). Use a rubber mallet to push the top corrugations in and down, squashing them together. Or cut and fold the top of the corrugations with pliers to flatten them. This will help stop the iron cutting the lead apron and let the apron sit down better. If the roof profile is concrete tile, use an angle grinder as shown in figure 1 to shave off the tops of the tiles to enable the lead apron to sit down flatter, and to avoid pooling of water at this point.



2 Notice how the building paper has been cut – now fold the paper up onto the batons and staple down onto the batons.

If you don't have a staple, use a light galvanised nail with a flat head, or brad.

3 Place the window on to the batons, making sure the window is sitting square and in the correct position. Right in the middle of the batten frame.



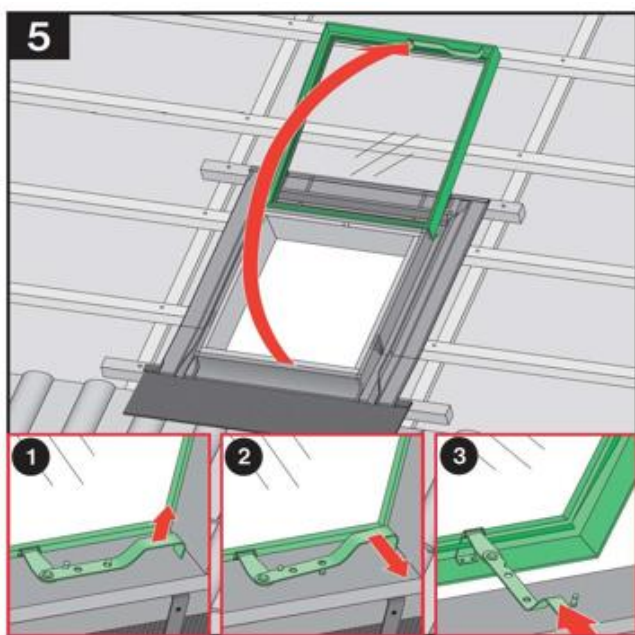
4 Now secure the window to the batons on the inside of the roof space.

There are four flaps on the underside of the window. Fold them back off the window and around to the batten.

Screw them into the batten. These should be screwed into the top and bottom batons.

(Hardware included)

If you are installing the WGI Window from inside the roof space, read point 5. If not then go to point 6.



5 If you are installing on a concrete tile roof from the inside of the roof space, open the window.

You'll do this by unlatching the handle on the bottom of the window on the inside of the window.

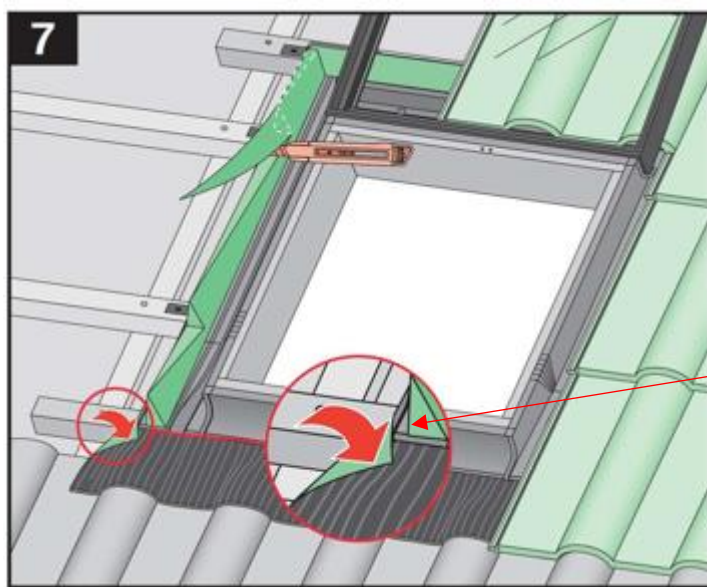
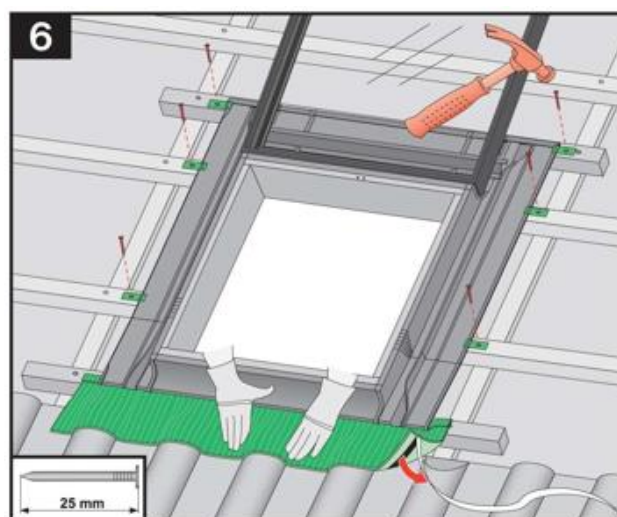
Unhook, straighten and push open. Now mould the lead apron to the concrete tiles

6 Mould the lead apron onto the roofing material.

You'll need to take the film off the adhesive first.

Take care to not damage the skirt and press and mould from the middle to the outside.

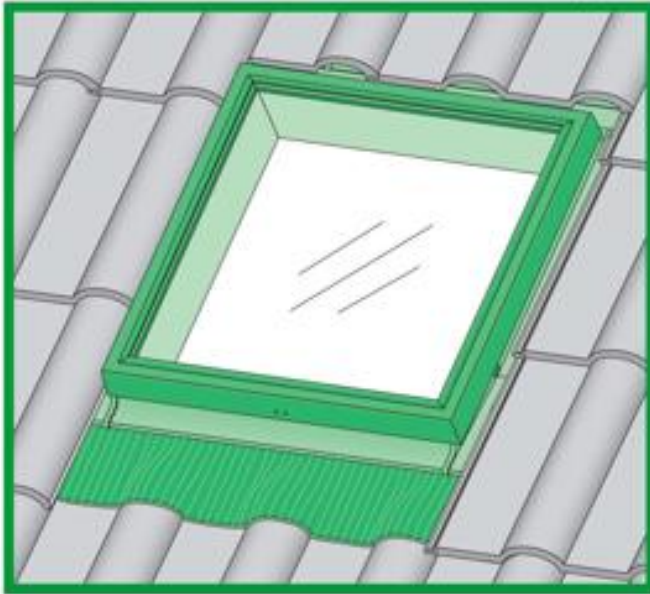
Take the 6 tabs from the plastic bag included in the box and nail them into the batons in the 6 positions shown in figure 6. *(Hardware included)*



7 If installing on a concrete tile roof cut the foam on the flashing as shown in the picture. This will help the concrete tiles to sit down flat when they are replaced around the window

Fold back the lead apron in the corners as shown in the in the picture.

This will stop any water from being able to drive in to this corner.



Now either replace the concrete tiles back around the window, or:

If you are installing on a corrugated iron or long run roof, measure and cut the hole for the iron to sit around the window. See the cut hole size measurements at the start the instructions.

Measure down from the top of the iron sheet taking care to get the cut hole in the exact position.

Once you have cut the iron to fit around the window, place the corrugated iron / long run back around the window.

Where you are retrofitting the window into existing Iron, you will need to extend the bottom horizontal cut in the iron 120mm past the cut hole, the cut preferably to end at the top of a corrugation. This is to pull the lead skirt through the cut in the iron so it sits on top of the iron at the bottom.

Two roofing material fillets need to be made to the dimensions shown in Fig 18, one left hand and one right. These can be made from the piece of roofing iron cut out for the skylight. Use the same colour iron as the roof off cuts. The fillets are designed to slide hard up under each corner. The point "X" must be on a high point of the profile of the roof. Ensure no ragged edges that may cause the mat to rip. They can then be attached at the bottom edge to the roof with pop rivets. The iron that goes over the fillet can then be pop riveted to the fillet to hold it down. Do not screw or pop rivet through skylight flashing. NOTE: Silicone over the pot rivets. These fillets are required to weatherproof the skylight. Failure to carry out this function may cause leaking.

