



Fitting Instructions for a Metal Deck Roof

To complete the installation you will need the following equipment:

Safety Glasses, Silicone Sealant, Jigsaw, Spirit Level, Screwdriver, Hammer, Spanner

It is important to wear shoes with good gripping soles.

Read the instructions carefully before you begin.

Check the number of SkyVents you will need and where they should be positioned.

Components

Remove the ventilator from the carton and separate the three main sections: Head, Variable Pitch Throat and Base. Also separate screws, metal strap and clamp.

Positioning

Assess positioning of each *SkyVent*. Best to place the flashing base under the ridge flashing- Highest vent point for hot air, air flow from wind and flashing from water runoff.

Cutting the roof sheet and sarking

Using the base of the unit as a template cut the roof sheet. If the roof is sarked, cut the sarking in a cross and fold back the corners to give a 300mm opening and cleanly cut away sarking and insulation. (please refer to pictorial instruction)

Secure and shaping the Base

Turn up the corrugation of the metal sheeting within the cut hole. Press flashing into the shape of the metal deck profile. Temporarily assemble the Variable Pitch Throat and flashing base units together, secure the flashing to the metal deck sheeting with self-tapping screws with neoprene washers or rivets. (please refer to pictorial instruction)

Dressing the Flashing

Use a rubber mallet and dress the flashing base to match the metal deck roof profile.

Adjusting the Variable Pitch Throat

Fit the varipitch throat to the flashing base. Screw fix the Varipitch throat to the flashing base lip with the three neoprene washer self-taping screws provided. Adjust the Varipitch to suit the roof pitch (level). Use a spirit level to ensure that the top is level.

Fixing the Variable Pitch Throat

Once level, Tighten the clamping screw across variable pitch seam using set screw provided. Lock seam in place.

Sealing the Variable Pitch Throat

Silicone seal all seams and joints from inside the throat. Ensure that all possible points of moisture entry are sealed. **(Do not apply silicone or other adhesive to Dome head)**

Fitting Turbine

Position the *SkyVent* on the Variable Pitch Throat and line up pre-drilled holes in brackets with those in variable pitch throat. Fasten with screws provided that **do not have** neoprene washer fitted.

Fitting Under Eave Vents

To assist ventilation flow, two Under Eave Vents may be fitted. Cut out an appropriate section of the eave and fix the vent across aperture.

Please refer to pictorial instructions below:

Pictorial Fixing Instructions



Using the base as a template cut the hole 15 mm shorter to turn up profile to form **a lip to provide a barrier for any driven rain that may penetrate under the ridge cap**, which should also have a silicone seal between it and flashing base



Shape flashing base to roof profile and secure base, under ridge capping and seal with silicone.



Use a spirit level and 4 point level the unit, this is important to ensure operation into the wind

- Remember to tighten the locking clamp and set screw provided to secure
- Silicon seal all seams from inside the throat. Do not use silicon on the polycarbonate plastic head unit.



Secure flashing base with pop rivets or hex head screws with neoprene washers (not provided) and secure the varipitch to flashing base with the three neoprene clima seal washers provided at equal 1/3 spacing around the flashing base



Secure head of unit by lining up pre drilled brackets and fix with hex screws (without neoprene washer) provided

You should now have a quality product that will give you many years of energy free service

