Method for installation of Surespan type SRHP/SRHPE Retrofit / Conservation type roof hatches.

General.

Surespan hatches are manufactured with an integral insulated upstand incorporating an external rain skirt flange. The flange is intended to be sealed to the roof slab/upstand and screwed or bolted to retain the unit in place from the inside.

Fixing the roof hatch unit.

1. Locate the unit to the roof or area to which it is to be installed, checking on the documentation /labels to ensure that the correct unit has been chosen for the location.
2. Check the documentation/unit drawings for the dimensions of the unit clear opening (internal frame) and physically measure/check the dimensions of the structural opening/upstand in the roof, and ensure that they match.
3. Remove all packaging from the unit.
4. If the dimensions are correct place the unit over the aperture in the roof or deck, making sure that the lid will open in the correct direction. Nb. If there is an access ladder beneath the hatch it is usual for the hinged side of the hatch to be on one side of, or opposite the side to which the ladder is fixed. The hinged edge should not be on the same side as the ladder is fixed.
5. Position the hatch over the pre weathered existing upstand ensuring to bed it down on a suitable weatherproof sealant / mastic compound.
6. Fix the hatch through the internal skirt / fixing lugs. You should consult your local fixings supplier for the correct type and method of fixing for the material being fixed to, (concrete, wood, metal etc.). Surespan cannot specify the fixings to be used as we have no knowledge of the material being fixed to. Surespan recommend Hilti for selection advice and the supply of fixings.
7. Clean away all drilling debris and ensure that the area is clean, dry and dust free.
8. If necessary apply a suitable mastic sealant to the underside of the external rain skirt if needed to further enhance the weatherproofing of the hatch to the upstand.
9. When satisfied that the unit is sited correctly, Secure gas spring / actuator brackets back to the structure with suitable fixings.
10. Check hatch operation.

Please consult the unit drawings for job specific details.

1. The main actuator support bracket is required to be solidly fixed to the fabric and in alignment with the upstand face. If there is any gap between the back face of the bracket and the fabric this should be solidly filled or packed.

Electrical connection of the Actuator (if SRHPE Retrofit ordered).

The electrically operated actuators are supplied with a control box which when connected to mains electrical supply will provide the 24v operation supply to the actuator.

1. The control box should be located and supported such that it cannot be damaged or fall.
2. The control box should be connected to the mains supply with the cable supplied. The supply should be a permanent 220/240-1ph-50hz. This cable should be connected to the control box as indicated on the wiring connection instructions.
3. The actuator motor cable should be connected to the control box by inserting the “phono” type jack plug into the appropriate socket, as indicated on the wiring connections diagram. If necessary, and dependent on the required location of the control box, it is possible and permissible to extend the actuator cable by cutting the cable and splicing a suitable cable between two junction boxes. See the electrical connections details/diagram for the correct cable colours.
4. When fully bolted down and electrically connected the operation of the hatch can be tested. Insert the din plug type connecter of the handset in the correct socket on the control box, as indicated on the wiring connections diagram.
5. When fully connected and ensuring that the hatch is clear of any obstruction and/or personnel operate the hatch by depressing the up/down buttons on the hand held keypad.