

Suntile Mirrored Extension Kit Installation instructions



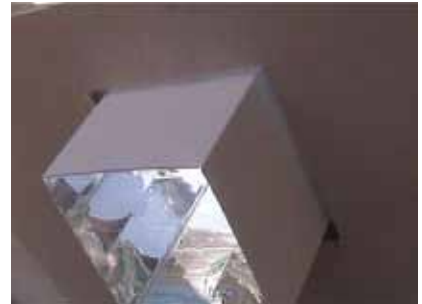
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As long as you follow our simple instructions, fitting a Suntile extension ducting kit is simple and straight forward. The instructions might look lengthy and daunting, don't be put off, it's just plenty of detail with explanatory photos to make sure you know what we're talking about.

To the left shows a section through a Suntile installation using an extension kit to duct the light through the loft area and into the room below.

To the right shows the stage at which the Suntile Basic Kit installation instructions should stop if you are fitting a Suntile Extension kit.



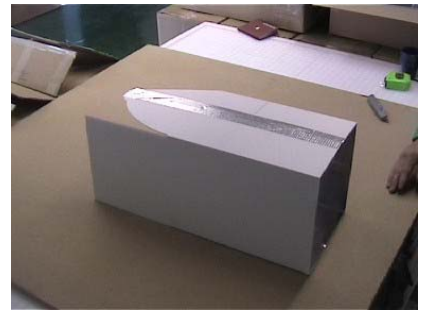
1 To assemble the mirrored ducting lay it down flat on a smooth surface with the mirror side facing up. Bend the sides up along the creases into a box tube shape - you can 'over bend' each crease to make assembly easier. **Please note: the mirror has a clear protective film that we recommend you leave in place until final stages of assembly.**



2 Bring the two jigsaw type ends together, fitting them as you would a jigsaw making sure they fit flush with each other and do not overlap.



3 Cut the silver tape to the length of the joint, remove the backing tape and stick over the jigsaw joint. Smooth the tape down on the top surface and then flip the duct over and push firmly down from the inside along the jigsaw edge to make sure the edges are all in firm contact with the tape.



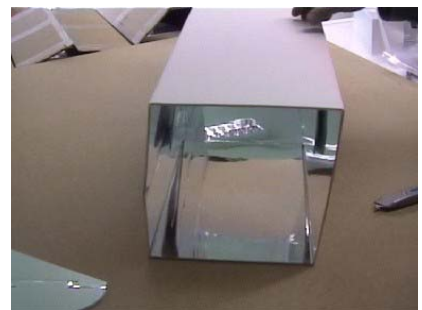
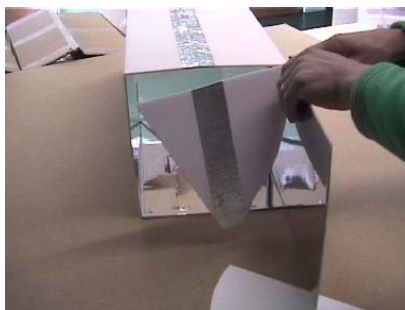
4 Now repeat the above to finish up with two identical long lengths of ducting as shown. Now slide one inside the other making sure the three cut flaps slide inside the square edges of the other and push together until the two square edges touch.



5 Flip over so that the two square touching edges are facing upwards. Tape this joint only, making sure that the two square edges are firmly pushed together as this is the hinge point. It is important to cut off the tape to the exact width.

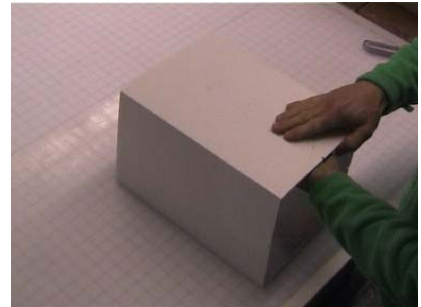
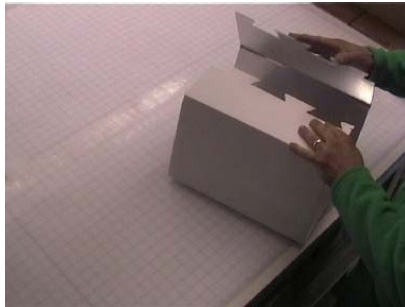
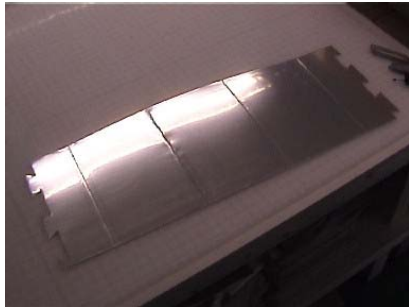


6 You can now see how the adjustable hinge works, be careful not to over bend at this stage as. Put this assembly to one side for later use.



7 Assemble the short connector section of mirrored ducting in the same way as the longer sections, i.e. Lay it down flat on a smooth surface with the mirror side facing up. Bend the sides up along the creases into a box tube shape - 'over bend' each crease to make assembly easier. Bring the two jigsaw type ends together, fitting them as you would a jigsaw making sure they fit flush with each other and do not overlap.

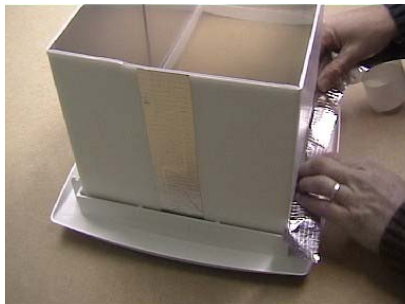
Please note: the mirror has a clear protective film that we recommend you leave in place until final stages of assembly.



8 Cut the silver tape to the length of the joint, remove the backing tape and stick over the jigsaw joint. Smooth the tape down on the top surface and then flip the duct over and push firmly down from the inside along the jigsaw edge to make sure the edges are all in firm contact with the tape.



9 Take the ceiling diffuser housing and push the short connector section of mirrored ducting into the matching channel. In one continuous strip carefully tape the joint between the two parts. You can push the tape down between the four pairs of lugs. Assemble the ceiling diffuser frame and retaining clips. First, 'over bend' each of the clips to pre-stress them before fitting to the ceiling. Push firmly down into the clips with the long leg vertical and curved outwards, (this is described in greater detail and with photos in your main instruction leaflet). Put this Ceiling Diffuser assembly to one side.



10 Return to the loft with the pre-assembled long extension ducts. Simply push the long duct over the short duct section that's coming through the roof from the outside.

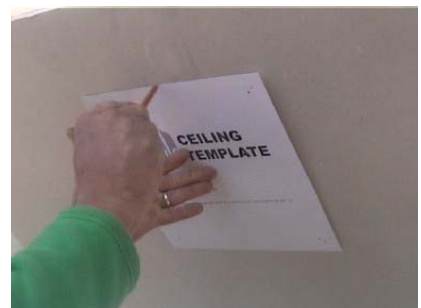


11 In one continuous strip carefully tape the joint between the two parts, making sure the tape is firmly smoothed down. We advise that you tape around the joint three times, overlapping the first tape top and bottom. Once secure you can gently bend the duct, as previously shown, into alignment with the ceiling. The duct should finish between 50mm – 250mm from the plasterboard ceiling level. It can be easily cut with a sharp bladed knife as before.



12 Using a bradawl push a hole through the plasterboard ceiling in the bottom left hand corner of the duct, where the ducting would touch the ceiling. See X in above right photo.

13 Return to the inside of the property. Take the ceiling template provided and push the bradawl through the top left hand corner at the mark "Suntile Basic Kit Ceiling Holes". Push the bradawl through the hole made in the plasterboard earlier and pivot the template until perpendicular. Hold the ceiling template firmly in position and draw around the template's outside edges.



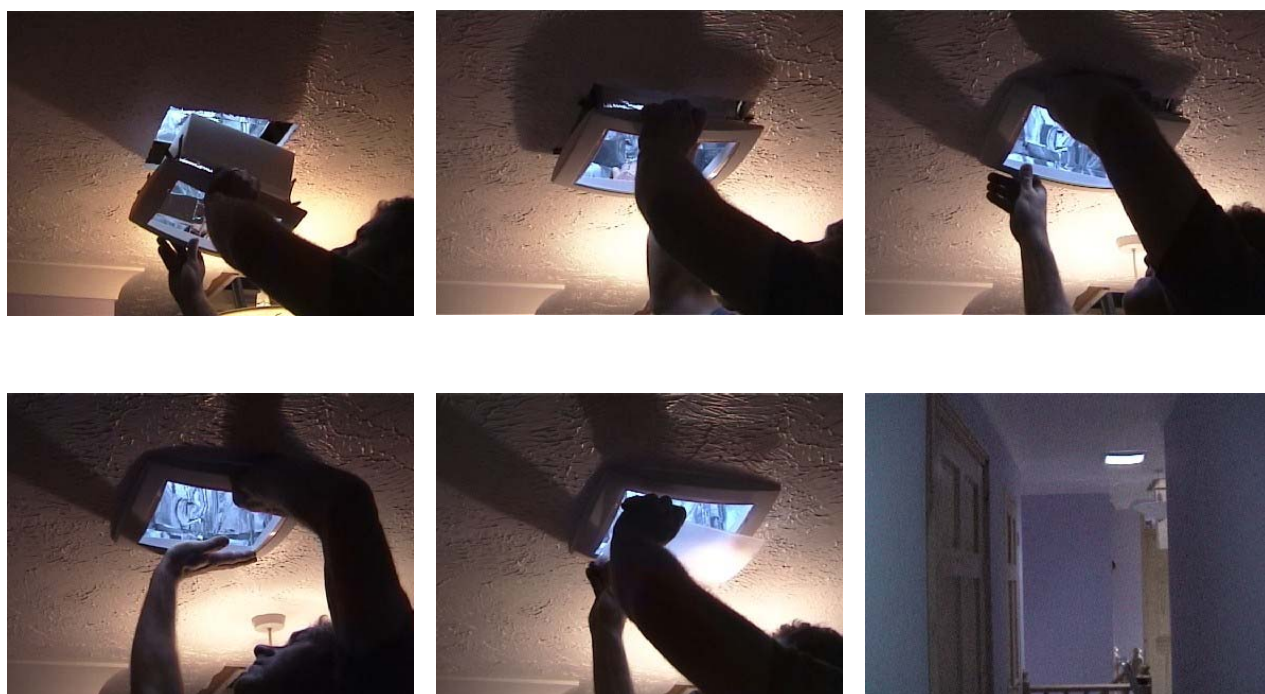
14 With a sharp knife or grip blade cut along your drawn lines and remove the plasterboard square.



15 Don't forget to remove all the ducting's protective film, exposing the highly reflective mirrored surface.



16 Fit the ceiling diffuser frame assembly you previously constructed. It is fitted in the same way as a standard ceiling light fitting. Position the long legs of each retaining clip between the ducting and the square hole cut in the ceiling. Make sure the short legs do not go into the same gap. As you push the ceiling diffuser frame toward the ceiling, the clips will rotate with the short legs sliding across the ceiling surface before snapping into final position. As you push the frame into position make sure that the leading edge of the ducting fits into the channel on the back of the frame. To remove the frame, simply reverse the procedure pulling the frame away from the ceiling. It is not recommended that you repeatedly take the frame in and out as the cut surface of the plasterboard will start to break up. Once the frame is in position, line up the lens with the four lugs and push fit it together.



17 Sit back and enjoy your new light filled space before clearing away your tools and putting the kettle on.