

## Making and fitting your Hinged French Door Screen - Kit code 018.1

Thanks for choosing our screen system.

We double check all orders before despatch, but we would ask you to check that all the components have been received as listed below. If any items are missing please call us on 01628 481919

**If you are unsure at any stage please contact us. We are always happy to help.**

### Contents:

Lengths of  
Premium Door  
Frame  
8 per screen  
(4 short & 4  
long lengths)



Roll of Mesh,  
type as  
specified on  
your order



Corners  
8 per screen  
with 4 screws  
per corner



Length of  
Spline



Spline Tool



Handles  
4 per screen  
with 2 screws  
per handle



Hinges, 6 per screen with 4 screws per hinge



Magnetic Catches, 4 per screen with 4 screws per catch



Length of Fluffy pile



Tool kit:  
2.5mm drill bit  
Posi 1  
Posi 2



### Tools required:

- Tape Measure
- Pencil
- Heavy Duty Hacksaw or chop saw
- Mitre Box (if using a hacksaw)
- Flat headed screw driver
- Scissors
- Stanley Knife
- 2.5mm drill bit (for the corners, hinges, handles and magnetic catches) - supplied
- Posi 1 (for corner screws, handles & magnetic catches) – supplied
- Posi 2 (for hinges and magnetic catches) – supplied
- Drill

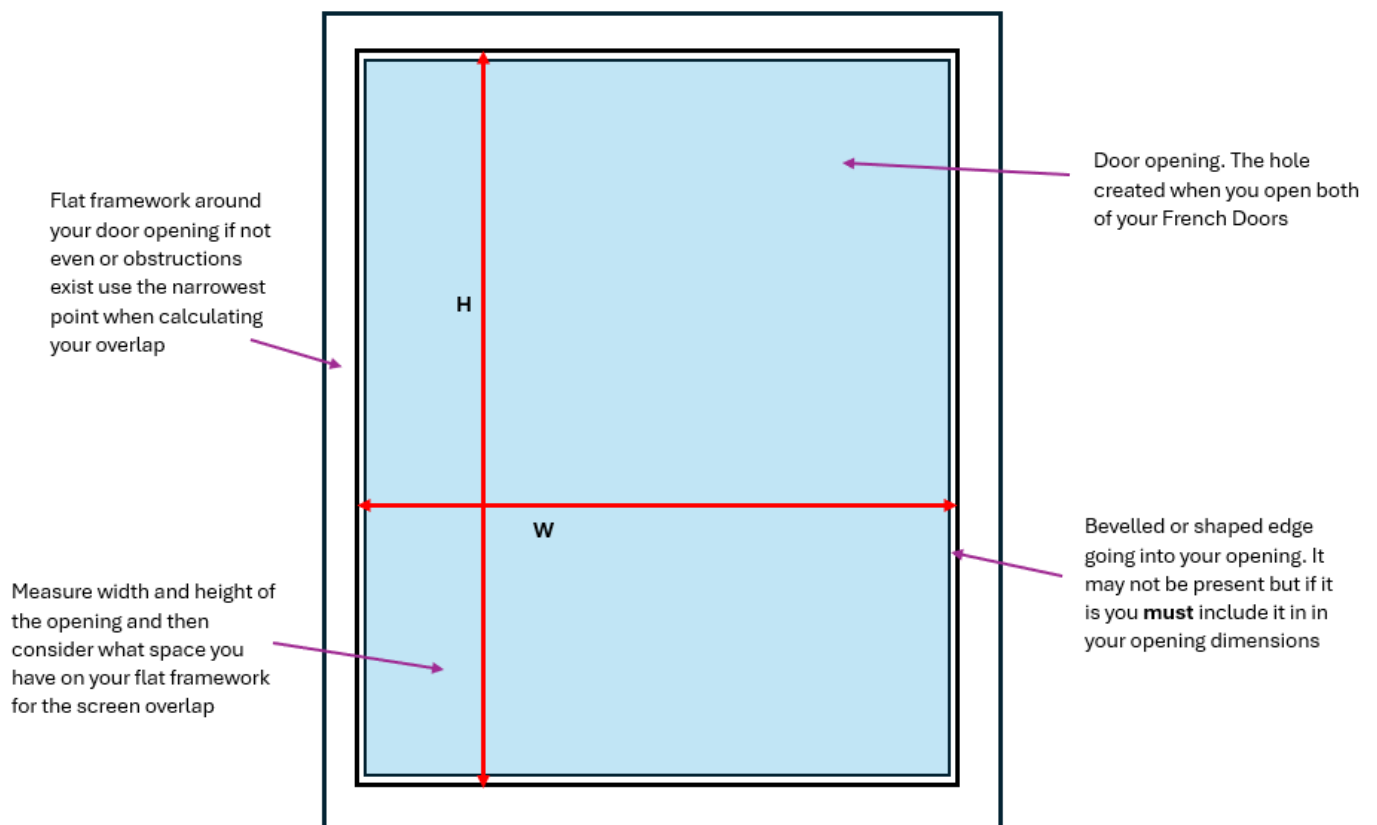
### Step 1 – Measuring

The idea is to overlap the screen frame with the door frame to create a seal between the two.

**If your handles protrude past the framework then they may cause an obstruction i.e. may prevent you from being able to fully close the screen when your door is closed.**

Solutions are:

1. Particularly if the screen is fitted to the inside of the property, allow the screen to rest against the handle when the door is closed.
2. Fit a secondary frame that finishes beyond the door handle and fit your screen to that frame. You can find an attachment at the end of these instruction to explain how to do this.



Measure the width and height of the opening including any bevelled edge on the door frame going into the opening and add 40mm to each measurement. This will give you a 20mm overlap on the door frame either side (i.e. half the width of the screen frame).

**Please note:**

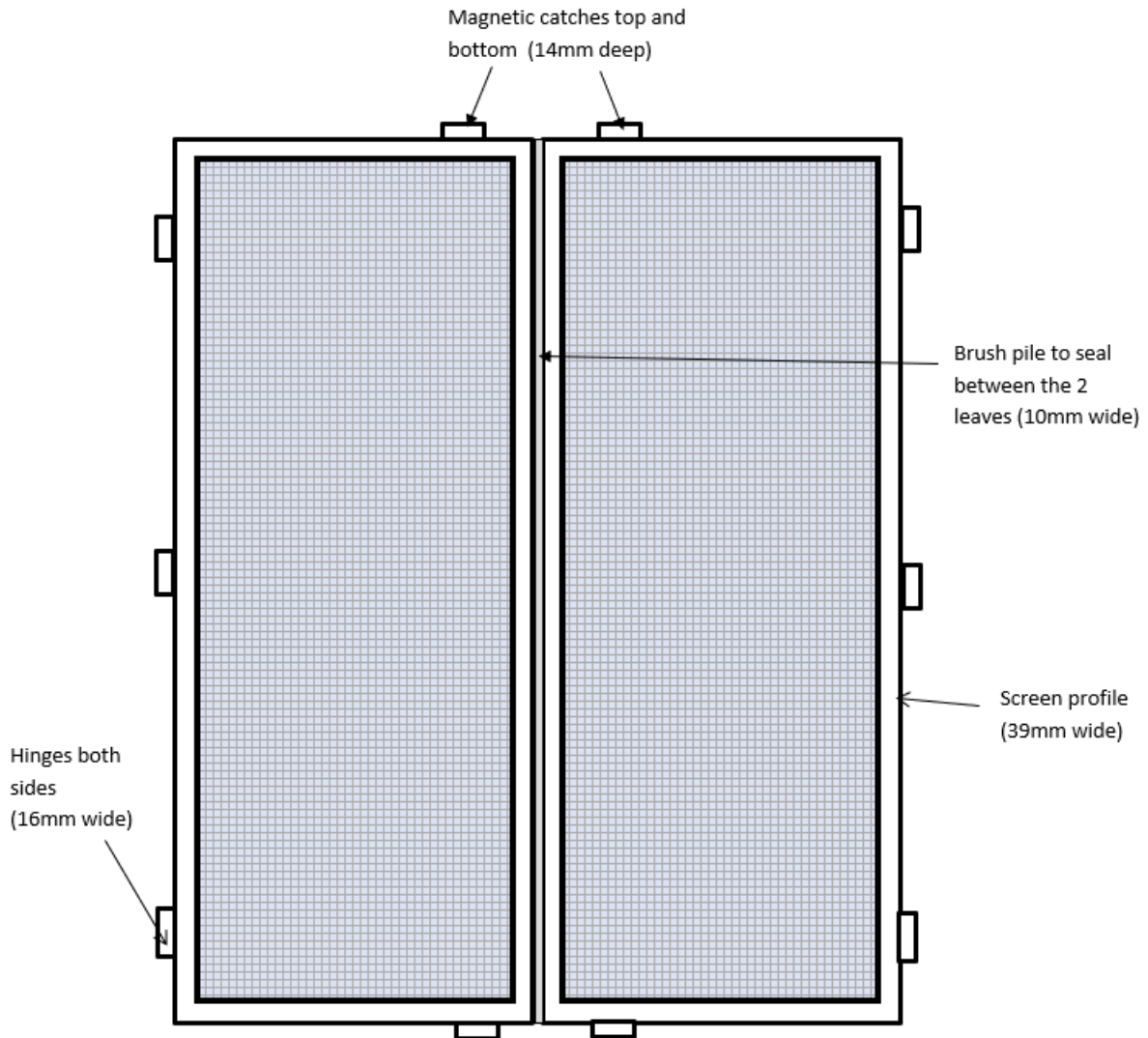
See diagram on next page to assist.

**Width:** You need to allow 16mm for the hinges on each side of the screens.

**Height:** Allow 5-10mm clearance from the floor to the bottom of the magnetic catch. The magnetic catches are 14mm deep and fitted to the top and bottom of the screens. You may also need to allow 5mm clearance to the top if you are tight to the lintel.

If you don't have sufficient room on the door frame to allow for the overlap and fixings then reduce the overlap of the screen but ideally you need at least 5mm overlap all the way around.

Once you have decided on your frame width dimension deduct 10mm for the pile and divide by 2 so you have the width of each leaf to be made.

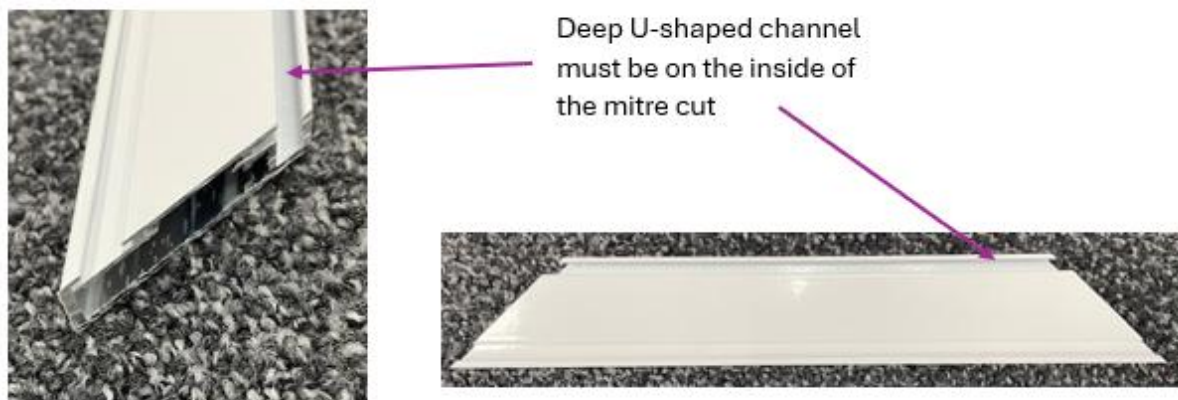


## Step 2 - Cutting your frame

To cut your frame you will require a chop saw with a non ferrous blade or a heavy duty hack saw with a mitre box.

- Cut your frame lengths in accordance with your calculations above.
- The frame must be cut at a 45 degree angle.

**IMPORTANT:** When Cutting the frame the deep U shaped channel **MUST** be on the inside of the frame. See image on next page.



**TIP:** Once you have cut your frame lengths it's worth offering them up to your door to double check they are correct before moving on to the next stage.

### Step 3 - Assembling your frame

Insert the 4 metal corners into each screen in turn and push the pieces of frame together.



**Please note:** The screen will not stay fully formed at this stage due to flexing of the frame and the fact that the corners are not yet fixed in place.

- Lay the frame flat (on a table, bench or the floor). Working on one corner at a time, pull and screw each corner together as follows:
- Once the corner is inserted, using the 2.5mm bit, drill 2 holes through the edge of the frame, one 23mm from the corner and another 45mm from the corner. Make sure the drill bit goes in to a depth of 1". Insert and screw in the No. 4  $\frac{3}{4}$ " screws provided. See image on next page.
- Repeat with the second screen.



## Step 5 – Fitting the mesh



- Take your first frame and lay it down on a hard flat surface with the channel facing upwards.
  - Unroll your mesh and lay it over your frame.
  - Cut a piece from the roll which is about 40mm bigger than the screen on all 4 sides.
  - Meshing with some of the thicker meshes is a little tougher and you will need to apply pressure to push the mesh and spline into the channel.
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- Position the longest side of the frame closest to you, this is the side you need to start with. The aim is to get the mesh as straight as possible on the first 2 sides.
  - Try to keep the weave of the mesh in line with the frame, use the concave end of the spline tool first to locate the mesh into the channel.
  - Holding the spline tool in one hand and the spline in the other, start to roll the spline down into the channel. Try to keep to one smooth continuous movement.
  - When you reach the end of this side, turn the spline tool around and use the convex end to push the spline home.
  - Turn your screen around to work on the second side. Loop the spline around the corner leaving a little slack in the loop.
  - Then mesh the 2<sup>nd</sup> side as you did the first.





- When the 2<sup>nd</sup> side has been completed you can go back to the corner and using a flat headed screw driver or the end of a pair of scissors push the spline down into the corner.
- Continue in this way around sides 3 & 4. The mesh will naturally start to tension at this point. Try not to over tension as this will bow the framework.

**Tip:** If necessary you can put a couple of heavy books in the middle of the screen to reduce the tension as you mesh.



- When you reach the end of the 4<sup>th</sup> side cut the spline with a pair of scissors and push the end down into the corner.



- Using a sharp Stanley knife, held at 45 degrees over the spline, start to cut the mesh against the outer edge of the frame. Use a smooth continuous movement and ensure your other hand is behind the knife in case it slips. Run the cut into the corner.
- Turn the frame as you cut each side.
- When finished you can run the convex edge of the spline tool round the screen one last time.
- Now follow this process for the second frame.

## Step 6 - Attaching the hinges to the screen frame

The hinges are in 2 parts. The U-shaped half fits on to the screen and the grooved end of the pin should be at the top of the hinge.

- Lay the first screen down on a hard flat surface with the mesh side facing down.
- Position the start of the top and bottom hinge not less than 100mm from the top / bottom of the frame (to ensure you avoid the corner insert). Position the third hinge equally between the other two.

- Assemble one of the hinges and lay the U-shaped element up against the frame. This will ensure the hinge is positioned correctly, see image below.



- At this point you can't see the holes to mark them so hold the hinge firmly against the frame and draw around the top and sides of the hinge with a pencil, remove the hinge and stand your frame on its side. Place the U-shaped section of the hinge within the lines you have drawn (you will notice it sits about 1mm from the front face of the screen) and mark the holes for drilling. Remove again and drill with the 2.5mm bit. See images below.



- Screw the hinges into place with the No 6. 1" countersink screws provided. **Don't overtighten.**
- Repeat for the second screen

## Step 7 – Attaching the magnetic catches to the screen frame

The magnets attach to the top and bottom of the screens. They need to be positioned at equal distances from the middle of the screen so that the doors open evenly.

- Lay the first screen down on a hard flat surface with the mesh side facing down.
- With the strike plate on the bottom of the magnetic catch, position it against the side of the frame at least 100mm from the middle of the edge of the frame (to ensure you avoid the corner insert).





- Mark the holes with a pencil and drill with the 2.5mm bit.
- Screw the catches into place with the No 6. 1" panhead screws provided. **Don't overtighten.**
- Repeat with the second screen.

## Step 8 – Attaching the handles to your screen

- Consider the positions of your handles on the screens. These should be near the middle on the height dimension to ensure the screen opens evenly when you pull them. You also need to ensure the screen handles won't foul your door handles when the screens are closed. You will need to offset the front and back positions slightly to ensure the screws on each handle do not obstruct each other.
- Once the position is decided, again lay the screen down on a hard surface. Use the handle to mark where the drill holes are required with a pencil.
- Using the 2.5mm bit drill the 2 holes and then screw the handle into position using the No 4 ½" Countersunk screws and the posidrive 1 screwdriver. **Don't overtighten the screws.**

## Step 9 – Fitting the screen to your door frame

Fix your hinges first and then the magnetic catches. You can use a spirit level but often fitting by eye is sufficient.

### Hinges:

- When fitting the hinges remember to leave 10mm between the leaves for the fluffy pile.
- With the complete hinges in place on the screens offer up the first leaf to the door frame in turn and mark the position of the holes with a pencil. If possible it's helpful to have an additional pair of hands at this point and you may wish to check with a spirit level to ensure the leaves line up.

**TIP:** It's a good idea to fix using 1 screw on the top hinge and one on the bottom to test you are happy with the position before completing the rest

- Mark the holes with a pencil and drill with the 2.5mm bit.
- Screw the hinges into place with the No 6. 1" countersink screws provided.
- Repeat with the second leaf

### **Magnetic catches:**

- With the strike plates in place on the magnetic catches close your screen and mark the holes visible on the strike plate with a pencil.
- Drill with a 2.5mm bit.
- Screw the plates into place with the No 4. 3/4" countersunk screws provided.

### **Step 10 – Attach the fluffy pile to your screens**

- With your screen now hung decide which screen will be your **lead** screen (i.e. the screen which opens first) Open the screen and remove some of the backing from the length of adhesive pile. Starting at the top, stick the pile to the edge of the framework where the 10mm gap is. This length should be at the front of the frame to enable you to open this side first. Please see image below. Pull the backing off and adhere as you go. Cut with a pair of scissors when you reach the bottom of the screen.



- Now repeat with the second screen but this time put the pile to the back of the frame i.e. closest edge to your door frame.

**YOUR INSTALLATION IS COMPLETE**

## Door Handle protrusions

Some Doors, particularly UPVC, have handles that protrude beyond the surrounding framework and therefore cause an obstruction if you wish to be able to close the screen and your door at the same time.

One solution is to 'build off' from the door frame using either a wooden batten framework or a UPVC framework. This must be deep enough to lift the screen away from the handle.

We offer a white solid UPVC framework that can be found on the accessories section of our website

<https://www.streme.co.uk/product/900mm-length-of-solid-pvc-build-off-50mm-x-25mm>

<https://www.streme.co.uk/product/2150mm-length-of-solid-pvc-build-off-50mm-x-25mm>

