

Mounting an image onto the back face of a clear acrylic panel is a popular way to present photography and graphic artwork.

When hung using a sub-frame the panel appears to float of the wall for an effect that is contemporary and luxurious.

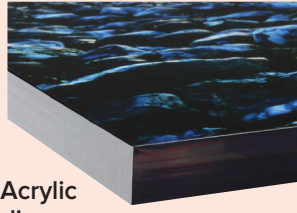
Typically, the face of the print is bonded to the back of a 10mm Acrylic Panel with Optically Clear Mount Film. This gives a stylish and minimal glossy finish with the added depth of the acrylic. Acrylic Panels have a high

perceived value.

Material costs for a 50 x 40cm, 10mm thick Acrylic Panel (excluding photo / artwork) will be approx £30.

With experience and a well organised and clean work area, you should allow 15 mins assembly time.

Contact us to arrange a demo in Birmingham.



Equipment

- Cold roller laminator
- Stepped working board, SWB
- Scalpel, Straight edge
- Cutting mat

Materials

- Acrylic panel
- Optically clear mounting film, OCMF
- Sub-Frame System to hang panel



A: Before you start

When mounting and laminating, the working area needs to be completely clean and dust free. The process and materials used can create static which attracts dust.

When opening an Acrylic Panel pack, always tear the packaging; never use a knife or scissors.



C: Considerations before you print the image

Face mounting works best with very smooth papers. Texture in a paper can show up.

With this method, the print needs to be slightly larger than the acrylic on 3 sides, so it can be trimmed after mounting, and at least 75mm longer on the fourth, short, side.

This will be trimmed away so it is unprinted. It is the leading edge to pass through the laminator. Lining up a print that is the same size as the acrylic is almost impossible. So, normally, a special print is required.



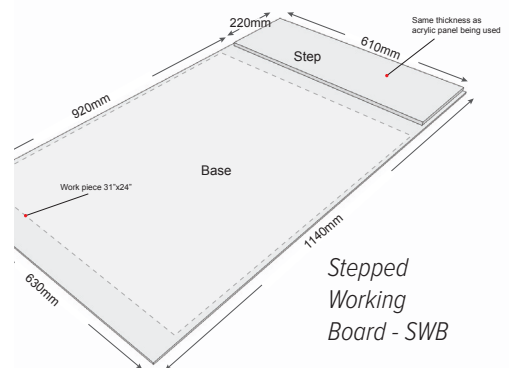
D: Prepare a Stepped Working Board - SWB

This ensures even pressure as the print is rolled through the laminator onto the acrylic.

Make your own SWB using a flat semi-rigid material such as Fomex, or Lion can supply them to order. Contact: jack@lionpic.co.uk.

During the mounting process the acrylic sits on the SWB base and butts up against the step.

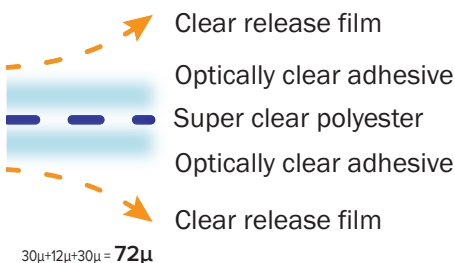
The base of the board needs to be bigger than the largest acrylic panel you will use and the step needs to be the same depth as the acrylic (usually 10mm). The SWB is covered with single-sided silicone release paper. This stops the OCMF sticking to it.



B: Optically Clear Mount Film - OCMF

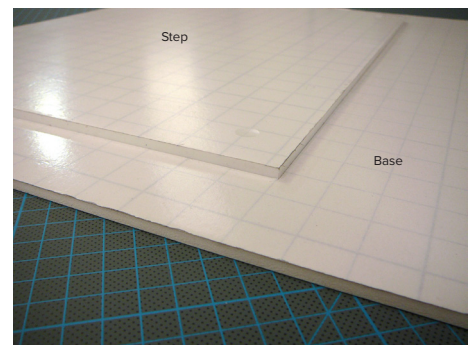
OCMF has a core of crystal clear polyester film coated on both faces with super clear, UV resistant, pressure-sensitive adhesive.

The adhesive is protected with clear silicone release films on both faces.



If the print is on very thin paper, or is a pale print, it's possible that the outline of a sub-frame bonded to the back will show through. Also, the tape adhesive may bleed through the paper.

To minimise this, either laminate a piece of white self-adhesive film or an Aluminium Composite Panel, ACP, to the back of the original print before applying the sub-frame.



Stepped working board with faces covered with release paper.

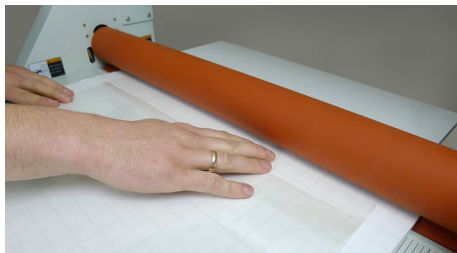
Stage 1 - Bonding the OCMF to the face of the print

Adjust the rollers gap on your laminator so they give good even pressure on the **base** part of the SWB.

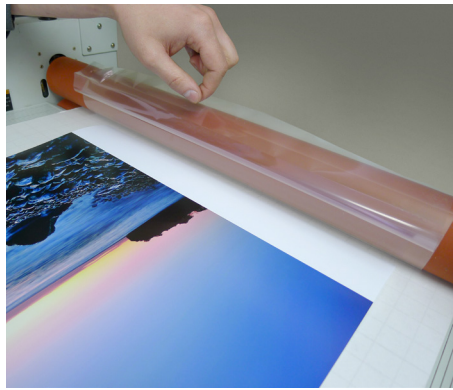
Cut a piece of OCMF slightly larger than the print.



Peel back app. 20mm of the OCMF release film and stick it to the base of the SWB. Pass this into the roller so it's held in position, making sure the release film is pulled clear of the rollers.

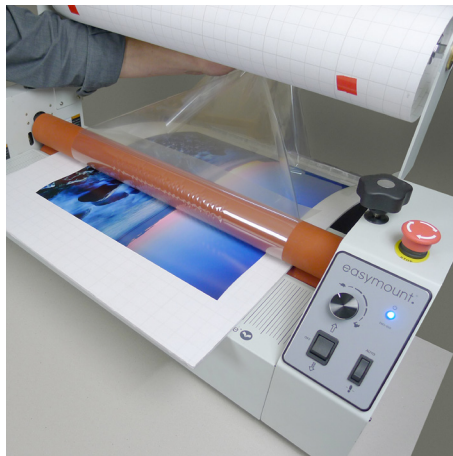


Hold the OCMF over the roller and position the print, image side up.

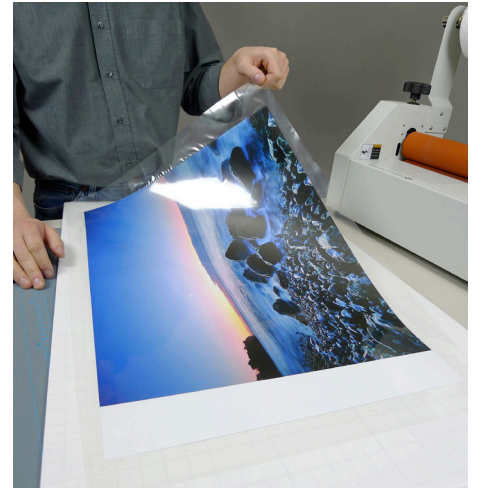


Pass the print through the rollers in one motion, making sure you pull the release film away as you go.

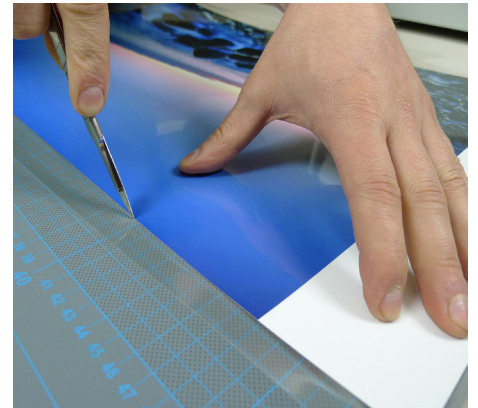
You will end up with the OCMF mounted to the surface of the print with the release film still on the top surface.



Peel the print with OCMF off the SWB base.



With a scalpel, trim the excess OCMF so it doesn't overlap the print.

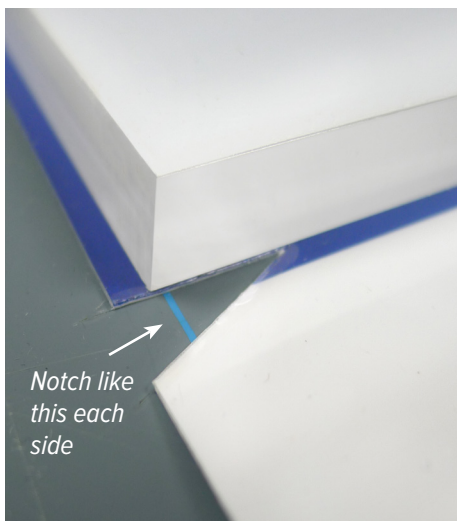


At the end of this first stage, you will have the print with the OCMF mounted to its surface and the release still on the top. The next stage is to mount this to the acrylic.

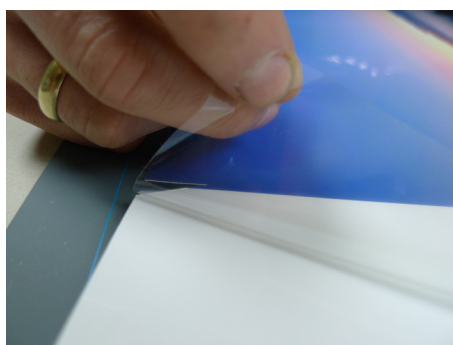
Stage 2 - Bonding the face of the print to the back of the acrylic

Re-adjust the roller gap on your laminator so they give good even pressure on the **step** of the SWB.

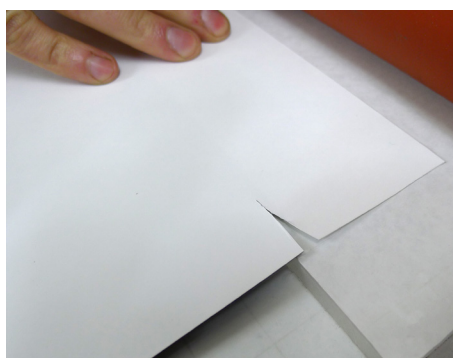
First, to help position the print on the acrylic, cut notches in the print, as photo.



Peel back app. 20mm of the release paper from the leading edge of the print / OCMF.



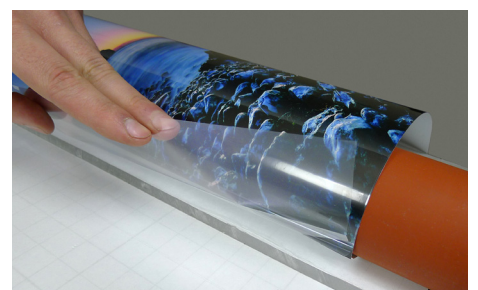
Press this down onto the step of the SWB with the positioning notches just on the step.



Pass this into the roller so it's held in position, making sure the release film is pulled clear of the rollers.

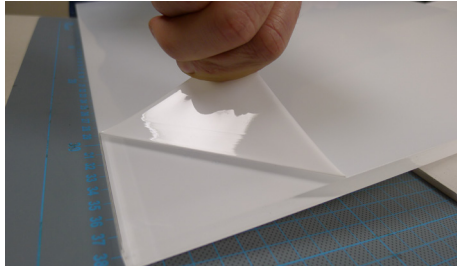


Wrap the print over the roller. You will now have the print with the release paper ready to be peeled away from underneath it.



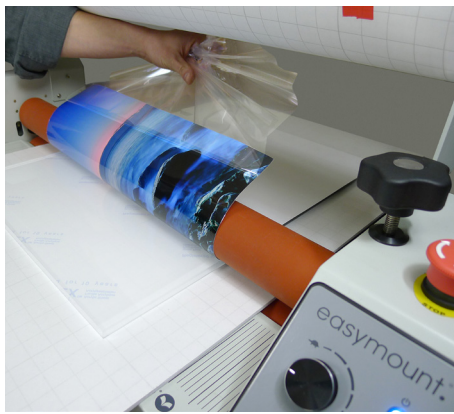
Stage 2 - continued

Carefully peel the protective film from one side of the acrylic. Make sure the acrylic stays clean and dust free.



Place the acrylic underneath the print and butt it against the step on the SWB.

In a single motion, feed this through the rollers, peeling the release film as it goes through.



Place the acrylic, print side down, on a cutting mat and trim with a scalpel.



Pass the acrylic through the rollers again to make sure the trimmed edges are well adhered.



If possible, pass it through in portrait and landscape.

Remove the protective film from the front of the acrylic and check carefully.



Stage 3 - Fitting a Sub-Frame

Use either an aluminium or an MDF paper-wrapped Sub-Frame moulding.

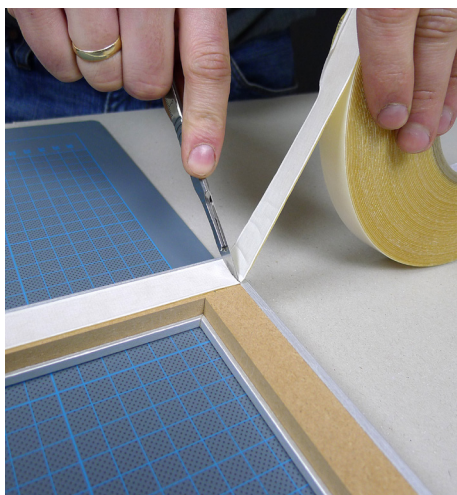
Aluminium Sub-Frame profiles can be supplied in 3 metre lengths for you to mitre cut, or as a cut-to-size 'Chop Kit'.

MDF Sub-Frame profile is only supplied in lengths and you will need suitable equipment for mitre cutting and joining it.

See the current Lion catalogues and website for full information.

Make up the Sub-Frame and apply the HD Tape all around. The HD tape is extremely high tack - do not peel off the release paper.

Measure where the Sub-Frame needs to be positioned but avoid marking the back

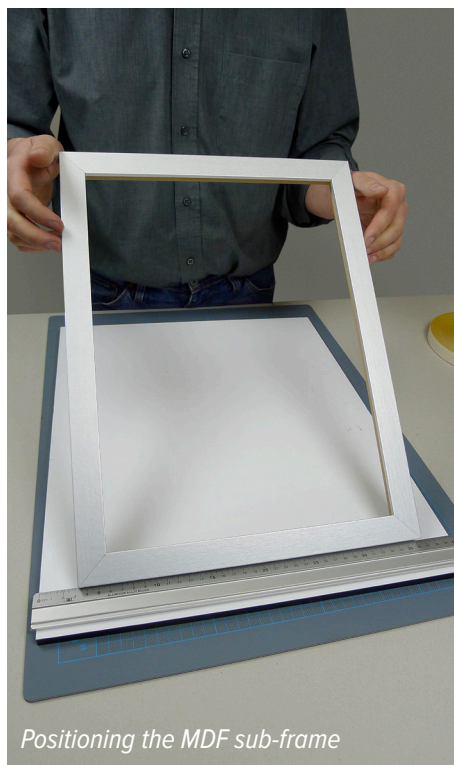


with a pencil as it might show though (Post-It's can be useful to mark the position).

Remove the release paper from the HD tape, line up one edge and then lower it into position. Press down firmly all around.

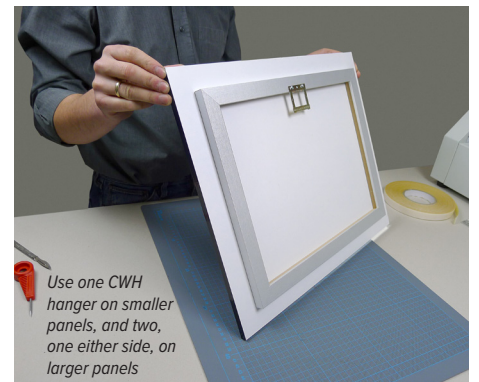
Be very careful to get this right first time, it is impossible to re-position the HD Tape.

See note on p.1, section C, regarding possible bleed-through of HD tape adhesive.



Positioning the MDF sub-frame

CWH hangers can be fitted to MDF and aluminium Sub-Frames so that the panel hangs flat and safe on the wall.



Use one CWH hanger on smaller panels, and two, one either side, on larger panels



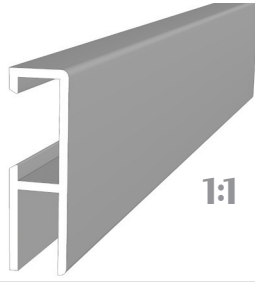
Face Mounted Print, ready to hang

LION Sub-Frame Profiles - Aluminium

SUB-08 Alu Sub-Frame Profile 27 x 8mm

SUB-08 Profile

7868
27 x 8mm



7868L	SUB-08	Lengths of 3m	£ 2.73 m
7868S	SUB-08	Chop Service	£ 3.90 m

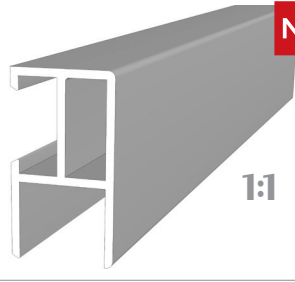
SUB-08 Mitred pairs

200mm	SUB08-200	£ 1.56	650mm	SUB08-650	£ 5.07
300mm	SUB08-300	£ 2.34	700mm	SUB08-700	£ 5.46
400mm	SUB08-400	£ 3.12	900mm	SUB08-900	£ 7.02
500mm	SUB08-500	£ 3.90	1100mm	SUB08-1100	£ 8.58
600mm	SUB08-600	£ 4.68	1400mm	SUB08-1400	£ 10.92

SUB-15 Alu Sub-Frame Profile 27 x 15mm

SUB15 Profile

9469
27 x 15mm



9469L	SUB-15	Lengths of 3m	£ 2.94 m
9469S	SUB-15	Chop Service	£ 4.20 m

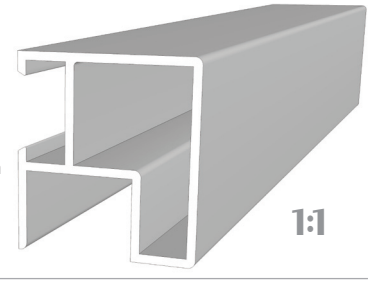
SUB-15 Mitred pairs

200mm	SUB15-200	£ 1.68	650mm	SUB15-650	£ 5.46
300mm	SUB15-300	£ 2.52	700mm	SUB15-700	£ 5.88
400mm	SUB15-400	£ 3.36	900mm	SUB15-900	£ 7.56
500mm	SUB15-500	£ 4.20	1100mm	SUB15-1100	£ 9.24
600mm	SUB15-600	£ 5.04	1400mm	SUB15-1400	£ 11.76

SUB-25 Alu Sub-Frame Profile 27 x 25mm

SUB-25 Profile

7869
27 x 25mm



7869L	SUB-25	Lengths of 3m	£ 3.78 m
7869S	SUB-25	Chop Service	£ 5.40 m

SUB-25 Mitred pairs

200mm	SUB25-200	£ 2.16	650mm	SUB25-650	£ 7.02
300mm	SUB25-300	£ 3.24	700mm	SUB25-700	£ 7.56
400mm	SUB25-400	£ 4.32	900mm	SUB25-900	£ 9.72
500mm	SUB25-500	£ 5.40	1100mm	SUB25-1100	£ 11.88
600mm	SUB25-600	£ 6.48	1400mm	SUB25-1400	£ 15.12

ZENITH Optically Clear Mounting Film C2

High quality OCMF film has a core of 36µ super clear polyester film, coated with high clarity UV resistant permanent adhesive. Each face is protected with a clear polyester silicone coated release liner.

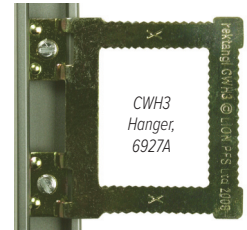
7895	610mm x 3m	£ 35.64
6685	630mm x 50m	£ 192.48
6673	1040mm x 50m	£ 317.65
6674	1300mm x 50m	£ 397.03
7927	1530mm x 50m	£ 467.25

£ 6.11 / m² app.

Aluminium Sub-Frame Hardware

Hang Plates

See the full range in Lion catalogue on website



Euro Hanger, 2424



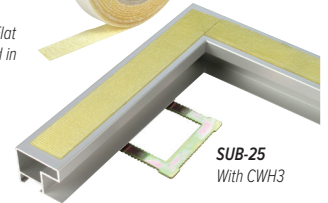
Screwed and Flat plates included in 197, 197B &, 7969



T-Screw, 2006



HD Bonding Tape, 6918



SUB-25 With CWH3

6918	HD Bonding Tape	19mm x 10m	£ 5.18
6919	" "	19mm x 25m	£ 11.25
6196	Foam Tape 1mm	12mm x 2m	£ 1.89
5124	" " "	10mm x 50m	£ 6.32
197	Assembly h/ware, CWH3	1 bag	£ 1.33
197B	" " "	20 bags	£ 23.78
7969	Screwed & Flat Plates	100 prs	£ 9.65
6927A	CWH3 Hangers	pk 50	£ 9.15
2424	Euro hangers	pk 100	£ 6.68

Cold Roller Laminators See our website

Acrylic Panels

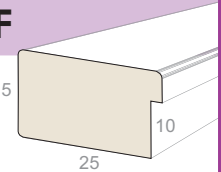
Our Acrylic Panels are premium quality cast clear acrylic. They are precision cut using a highly sophisticated laser CMC machine. This gives the best consistency of sizes and cutting the holes for the Posts. It gives a neat semi-polished edge - an integral part of the style.

All acrylic panels have a protective film on both sides. Removing this creates static so make sure your work area is kept clean and dust free.

Metric sizes are ± 1mm, Imperial sizes are approximate.			10mm Acrylic Panel Clear - with holes	10mm Acrylic Panel Clear
A4	210 x 297mm	8.2" x 11.7"	6627 £ 8.49	7373 £ 8.67
A3	297 x 420mm	11.7 x 16.5"	6628 £ 16.38	7374 £ 16.37
	300 x 250mm	12" x 10"	6629 £ 9.82	7375 £ 9.64
	300 x 300mm	12" x 12"	6640 £ 13.41	7376 £ 13.14
	300 x 400mm	12" x 16"	6630 £ 16.05	7377 £ 16.04
	400 x 400mm	16" x 16"	6648 £ 23.54	7378 £ 20.91
	400 x 500mm	16" x 20"	6631 £ 25.18	7379 £ 25.19
	594 x 420mm	-	6915 £ 35.68	-
	500 x 500mm	20" x 20"	6652 £ 32.41	7380 £ 32.40
	500 x 600mm	20" x 24"	6632 £ 40.66	7381 £ 40.65
	600 x 800mm	23.6 x 31.5"	6656 £ 64.61	7382 £ 64.63
	762 x 508mm	30" x 20"	-	7880 £ 50.16

Sub-Frame Profiles - MDF

Specially designed profile machined from MDF and paper wrapped in White or Brushed Silver. Mitre cut it and underpin it on normal framing equipment.



L1860	Sub-Frame MDF	White	3.05m lengths	£ 1.25 m
L1861	" " "	Brushed Silver	3.05m lengths	£ 1.25 m

Supplied in wraps of 12 lengths / 36.6m.

LION Picture Framing Supplies Ltd
148 Garrison Street, Birmingham B9 4BN
Tel: 0121 773 1230 Fax: 0121 771 2540
Open 08.45 - 17.00 Monday to Friday

Check the Lion website for best prices

lionpic.co.uk

info@lionpic.co.uk

All prices quoted are correct as at December 2016. Please check before ordering.

