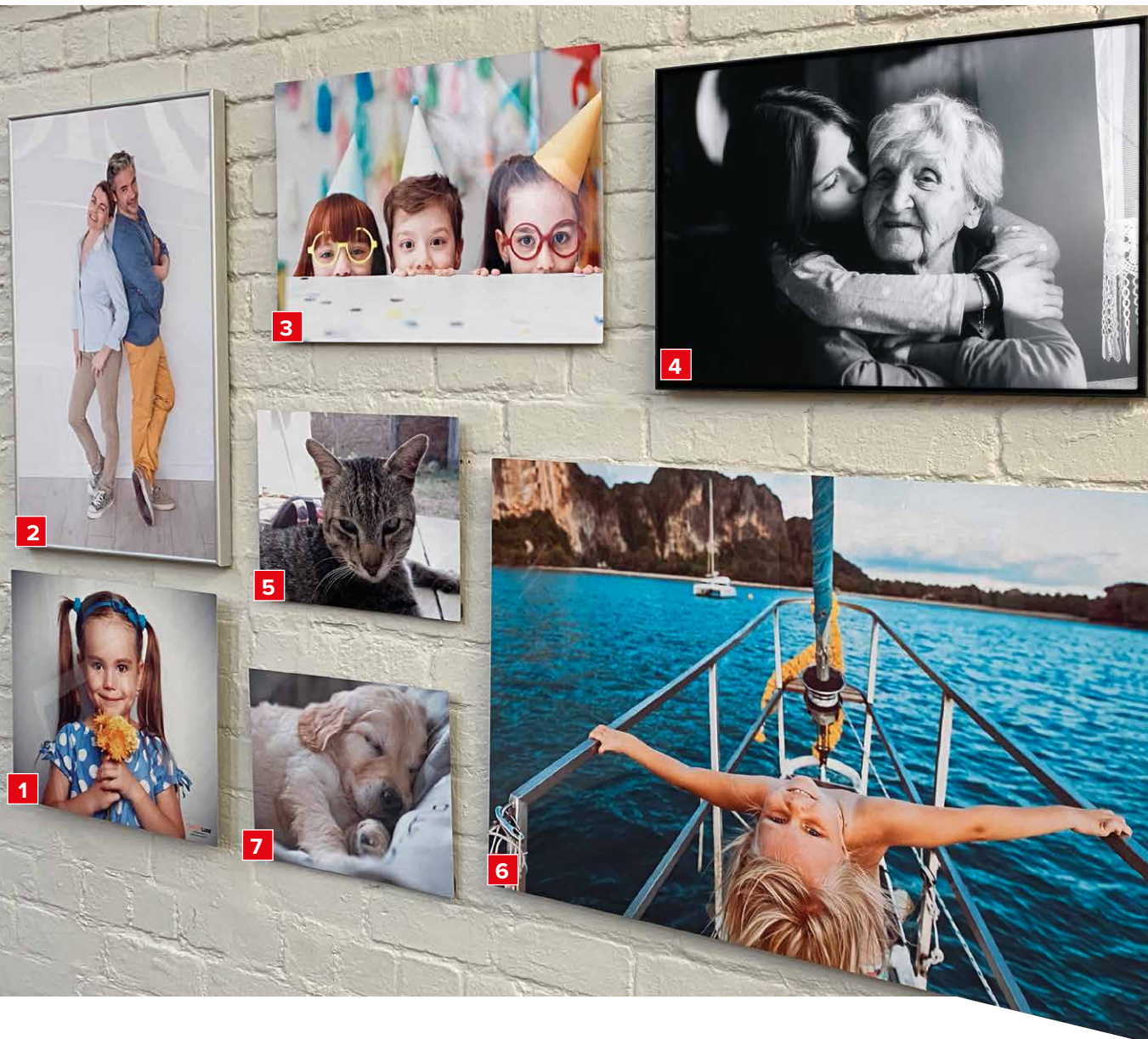


# Hang & Frame Your Printed Panels

## 2020



**1** **NEW** SUB25 25mm  
Aluminium Sub Frame Profile  
See p.2 to 5

**2** M15 Aluminium  
Art Frame Profile  
See p.6 & 7

**3** **NEW** Angled Self Adhesive  
Panel Hanging Plates  
See p.10 to 13

**4** M102 Aluminium Tray  
Frame Profile  
See p.8 & 9

**6** SUB15 15mm Aluminium  
Sub Frame Profile  
See p.2 to 5

**5 + 7** Self Adhesive Panel  
Hanging Plates  
See p.10 to 13



# Hang High Definition Metal Print

Sublimated prints on metal panels and other substrates are increasingly popular for both photogift and fine art photography.

## These fabulous images on metal look great floating away from the wall.

Working with leading metal print manufacturers, we have developed our elegant Aluminium Sub Frame Profiles. They bond to the back of a panel to space it away from the wall, keep it flat and provide options for safe and secure hanging.

The aluminium profile is joined to make a Sub Frame using LION's unique moulded push-in corners. They have a combination of curves that create a slight concave at the contact face. Aluminium panels can flex during handling and transit and if this happens, a Sub Frame with sharp mitred corners can create dimples in the surface of the panel. This can also happen with MDF blocks bonded to the back of the panel, especially as the small block can allow significant flexing.

The corners are moulded in a light grey colour which tones with the aluminium profile. When customers flip over their beautiful art print, they'll find a sleek, professional finish on the back. The Sub Frame gives them an easy and safe way to hang their picture on normal picture hooks. Or it can be secured using T-Screws.

## LION Sub Frames come in two profile depths:

**SUB15** floats the panel 15mm from the wall. With bonding tape pre-applied it is ideal for smaller panels and thinner substrates. Or, apply Heavy Duty Bonding Tape to the un-taped version for larger panels and thicker substrates.

**SUB25** floats the panel 25mm from the wall. It is fixed with Heavy Duty Bonding Tape, making it suitable for most panel sizes and substrates.

For more information on LION SUB15 and SUB25 Profiles, see p.4 & p.5.



SUB25



## Solvent Wipes for surface preparation

Adhesives work best if the surfaces to be bonded are totally clean and grease free.

These solvent wipes contain 70% isopropyl alcohol which dries almost instantly.



Always wipe contact faces before bonding a Sub Frame to a panel. See p.5.

## Heavy Duty Bonding Tape

A thick, very high bond tape which is ideal for securing an aluminium Sub Frame to the back of a printed panel. Synthetic rubber adhesive on a polyester fabric carrier.

Use Solvent Wipes, see left, to prepare contact surfaces prior to applying Heavy Duty Bonding Tape.

The Heavy Duty Bonding Tape has a red filmic liner, so that it doesn't tear when being removed. 0.80mm thick, approx.



Heavy Duty Bonding Tape

Net thickness 0.80mm

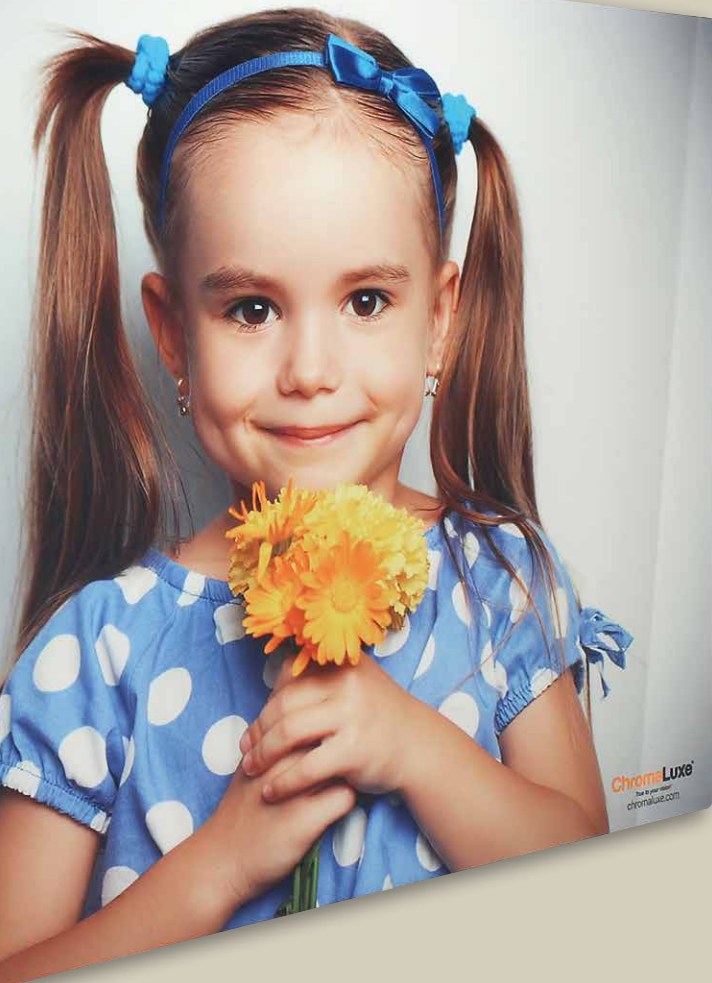
9837	Box of 100 sachets	£8.25
9838	Dispenser Tub of 160 wipes	£9.95

6918	19mm x 10m	1	£6.35
6919	19mm x 25m	1	£13.85
6919B	19mm x 25m	Box 20	£248.40





Made in UK



ChromaLuxe  
 Find a partner near you  
 chromaluxe.com



### Polyfibre Felt Bumpers

- Use with Sub Frames to stop the frame marking the wall.
- Use with Self Adhesive Panel Hanging Plates to make the panel hang flat and slightly away from the wall.
- Allow air to circulate behind the panel.



9776A	3 x 10mm	200 pads	£5.10
9776	3 x 10mm	1000 pads	£18.42
9775A	3 x 15mm	200 pads	£5.26
9775	3 x 15mm	1000 pads	£18.97
9774A	5 x 15mm	200 pads	£5.41
9774	5 x 15mm	1000 pads	£19.51
9773A	7 x 15mm	200 pads	£6.00
9773	7 x 15mm	1000 pads	£21.68
9782	Sample pack		£1.00

### Sub Frame Measuring Guide

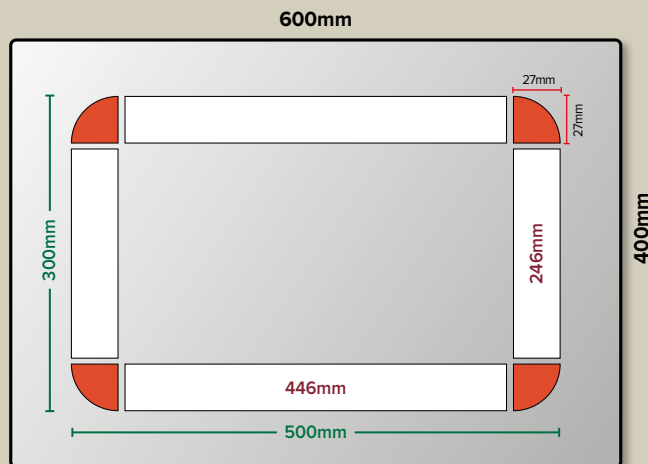
- We recommend a border of approximately 50mm between the outside edge of the frame and the edge of the panel.
- Push In Corners add 2 x 27mm to each dimension of the frame.

#### Example

Panel Size: 400 x 600mm  
 Frame Size: 300 x 500mm  
 $400 - (50 \times 2) - (27 \times 2) = 246$   
 $600 - (50 \times 2) - (27 \times 2) = 446$

Order on Chop Service:  
**246 x 446mm**

For ordering information see back cover.





## SUB25 Sub Frame Profile

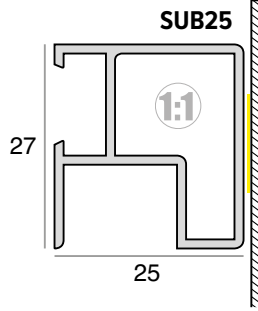


Made in UK

When assembled into a frame and bonded to the back of a printed panel, SUB25 makes it float away from the wall by 25mm.

Used with Heavy Duty Bonding Tape, SUB25 is particularly suitable for larger aluminium panels and thicker substrates.

- Order square cut on our Chop Service, or in 3m lengths to cut on your own equipment.
- Join with our new 25mm Moulded Push-in Corners to make a frame.
- Apply Heavy Duty Bonding Tape to the frame and bond to the back of the panel. Clean all contact surfaces with a solvent wipe first.
- Fit CWH3 Square Sawtooth Hangers to the frame and hang on normal picture hooks, or use T-Screws for safe and secure hanging.



### SUB25 Profile in 3m Lengths

9922L	Mill finish	£3.15m
-------	-------------	--------

### SUB25 Profile Square Cut to Size on Chop Service

9922E	Mill finish, square cut	£4.70m
-------	-------------------------	--------



## 25mm Push-in Corners, moulded (To join only SUB25 profile)



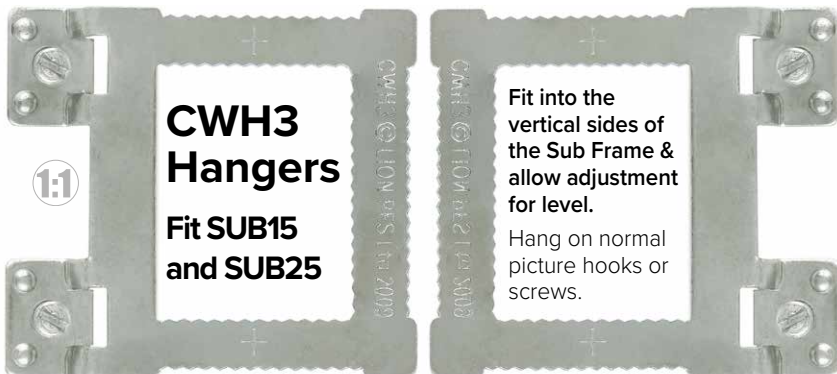
Made in UK



Designed by LION, the moulded corners have a unique combination of curves that create a slight concave on the contact face.

This minimises the risk of dimples on the printed face which can occasionally be caused by flexing of the aluminium panel against the sharp corners of a mitred Sub Frame. Quick to fit. Loose assemble the Sub Frame then tap the corners home. The SUB25 profile only has to be square cut to length.

9968	Frame Bag (Also includes CWH3 x 2, Bumper x 2 & Wipe)	1	£2.75
9968A	25mm Push-in Corner	pk 40	£21.00
9968B	25mm Push-in Corner	pk 400	£178.50



6927A	CWH3 Hangers	50 pcs	£11.50
6927B	CWH3 Hangers	200 pcs	£41.40

## LION Sub Frame 15 & 25 Profiles

### Mill Finish

	3m Lengths	Square Cut
	3m	Chop
<b>SUB15</b>	9777L	9777E
<b>SUB25</b>	9922L	9922E

### Mill Finish, Bonding Tape Applied

	3m Lengths	Square Cut
	3m	Chop
<b>SUB15</b>	9777LT	9777R
<b>SUB25</b>	n/a	n/a



## SUB15 Sub Frame Profile



When assembled into a frame and bonded to the back of a printed panel, SUB15 makes it float away from the wall by 15mm.

With bonding tape pre-applied, it is ideal for smaller panels and lighter substrates, such as ChromaLuxe. Apply Heavy Duty Bonding Tape to the version without tape for most panel sizes and substrate thicknesses.

- Order square cut on our Chop Service, or in 3m lengths to cut on your own equipment.
- Join with 15mm Push-in Corners to make a frame.
- Remove the release paper from the pre-applied tape and bond the frame to the back of the panel. Clean contact faces with a solvent wipe first.
- Fit CWH3 Square Sawtooth Hangers to the frame and hang on normal picture hooks, or use T-Screws for safe and secure hanging.

### SUB15 Profile in 3m Lengths

9777L	Mill finish	£2.35m
-------	-------------	--------

### SUB15 Profile Square Cut to Size on Chop Service

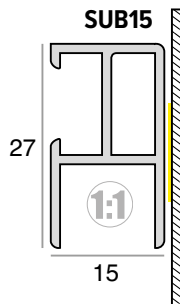
9777E	Mill finish, square cut	£3.50m
-------	-------------------------	--------

### SUB15 Profile in 3m Lengths, taped

9777LT	Mill finish, taped	£3.15m
--------	--------------------	--------

### SUB15 Profile Square Cut to Size on Chop Service, taped

9777R	Mill finish, square cut, taped	£4.73m
-------	--------------------------------	--------



## 15mm Push-in Corners, moulded (To join only SUB15 profile)



Designed by LION, the moulded corners have a unique combination of curves that create a slight concave on the contact face.

This minimises the risk of dimples on the printed face which can occasionally be caused by flexing of the alupanel against the sharp corners of a mitred Sub Frame. Quick to fit. Loose assemble the Sub Frame then tap the corners home. The SUB15 profile only has to be square cut to length.



9295	Frame Bag (Also includes CWH3 x 2, Bumper x 2 & Wipe)	1	£2.10
9295A	15mm Push-in Corner	pk 40	£14.50
9295B	15mm Push-in Corner	pk 400	£126.00



Visit our YouTube channel to see an assembly video

## What does a Sub Frame do?

- Floats the panel away from the wall.
- Provides a way to hang the panel on the wall.
- Gives the panel substance and rigidity.

## Which profile is right?

**SUB 15:** Floats the panel 15mm from the wall. With bonding tape pre-applied, it is ideal for smaller panels and lighter substrates, such as ChromaLuxe. Apply Heavy Duty Bonding Tape to the version without tape for most panel sizes and substrate thicknesses.

**SUB 25:** Floats the panel 25mm from the wall. Used with Heavy Duty Bonding Tape it is particularly suitable for larger aluminium panels and thicker substrates.

**Note:** Photos face mounted on acrylic should be backed with Opaque White Backing Film - never bond a Sub Frame directly to photo paper.

## How does it work?

1. Order in lengths – to cut on your own saw OR Order on Chop Service – give us the aluminium sizes and we'll cut for you. Subtract 54mm from each dimension of the outside size of the Sub Frame you need, or ask us for a Measuring Guide.
2. Apply Heavy Duty Bonding Tape unless using SUB15 with bonding tape pre-applied.
3. Push in corners to make up the frame.
4. Clean all contact surface with solvent wipe.
5. Remove release liner from tape, locate, press down firmly, leave to cure at room temperature.
6. Slot CWH3 hangers into the profile, or use T-Screws for secure fixing.

## Sub Frame fixing protocol for best results

**CLEAN** the back of the panel with a solvent wipe – never skip this step.

**PRESS** the frame firmly onto the back of the panel, and leave it to cure at room temperature.

**HANG** the profile using CWH3 Hangers slotted into the vertical sides of the frame, or fix securely using T-Screws. Don't hang from the frame itself.



# Art Frame Profiles

Give a **refined finish** with an aluminium Art Frame - the rebate hides the panel edges.



Bow Springs hold printed panel in place

Assembly Hardware slots in place and fastens with a screwdriver

CWH3 Square Sawtooth Hangers

Add Polyfibre bumpers to finish & protect the wall surface

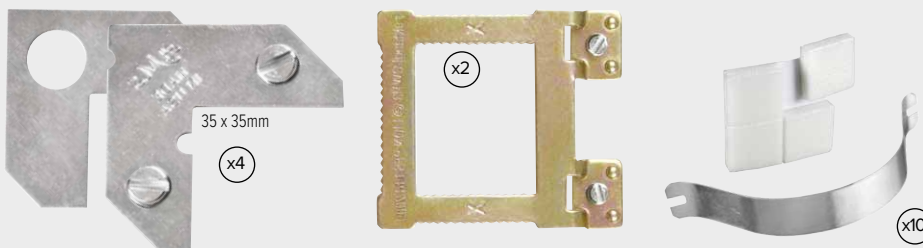
Aluminium Art Frame Profile



Moulding: M11 9739 in Bright Silver

## Assembly Hardware for Art Frames

To join and hang an aluminium frame on two hooks - use this Frame bag.



197	Frame bag with CWH3	1	£1.98
197B	Frame bag with CWH3	pk 20	£32.87

For more hardware and accessories see LION 56 from p.138-139 or visit [lionpic.co.uk](http://lionpic.co.uk)

Our range of aluminium art frame profiles are all available mitre cut to your custom sizes on our 'Chop Service', or in full 3m lengths for you to cut on your own saw. For the full range see our current Mouldings catalogue or visit [lionpic.co.uk](http://lionpic.co.uk).

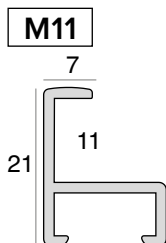


# M SERIES M11 & M15

## Modern aluminium profiles for printed panels

- Smooth on all faces.
- Please ask us for new chevrons.

Code	Finish	Lengths	Chop
9737	Matt Silver	£3.00m	£5.50m
9738	Matt Black	£4.50m	£7.75m
9739	Bright Silver	£5.90m	£9.50m
9725	Matt Gold	£4.50m	£7.75m
9726	Gloss Gold	£4.50m	£7.75m



9737 - M11  
Matt Silver

9738 - M11  
Matt Black

9739 - M11  
Bright Silver

9725 - M11  
Matt Gold

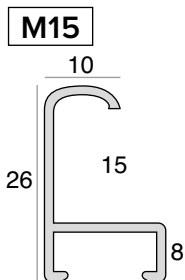
9726 - M11  
Gloss Gold



9740 - M15  
Matt Silver

9741 - M15  
Matt Black

9742 - M15  
Bright Silver



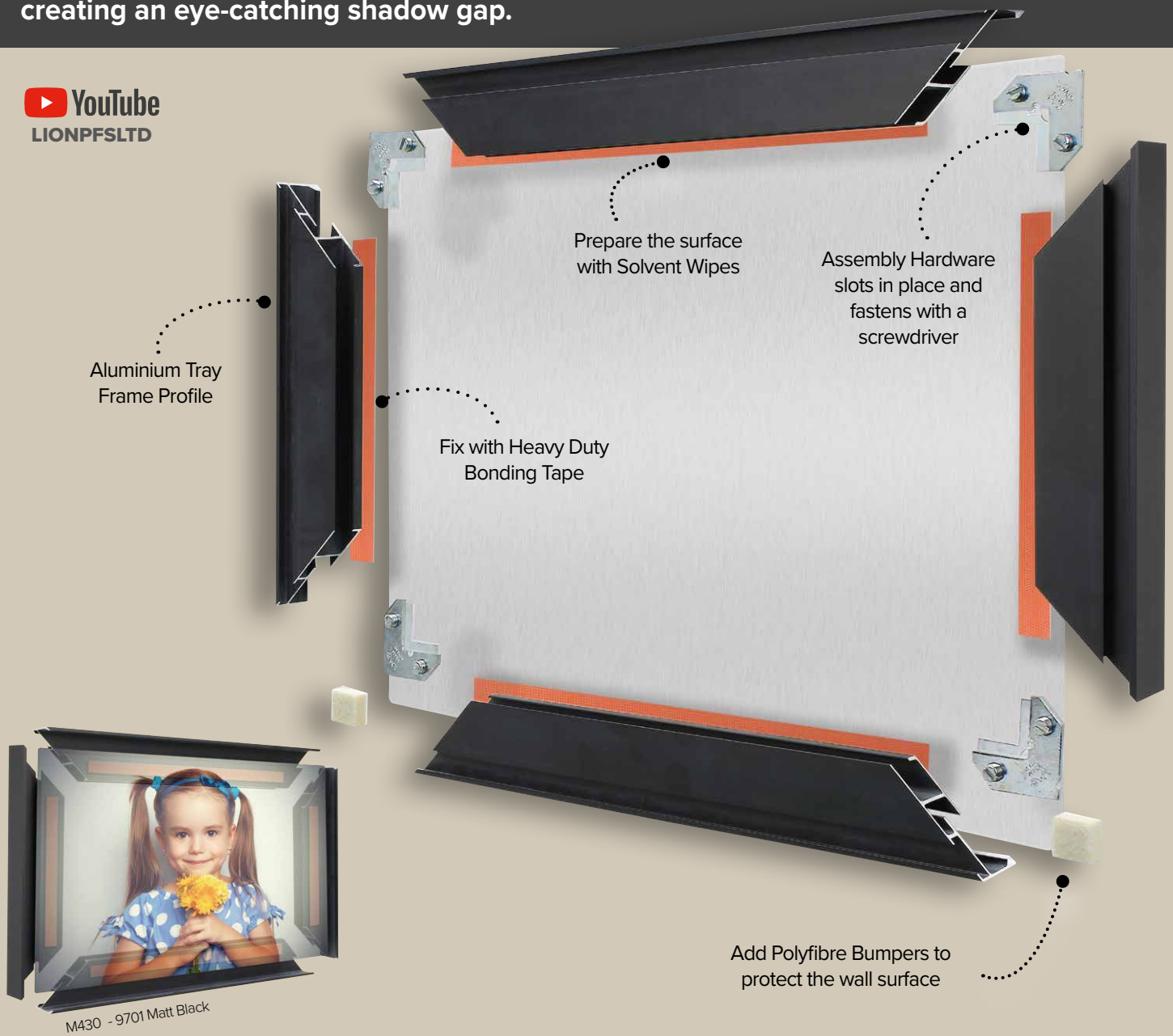
Code	Finish	Lengths	Chop
9740	Matt Silver	£3.20m	£5.80m
9741	Matt Black	£4.70m	£8.05m
9742	Bright Silver	£6.20m	£10.25m

Moulding: M11 9739 in Bright Silver



# Tray Frame Profiles

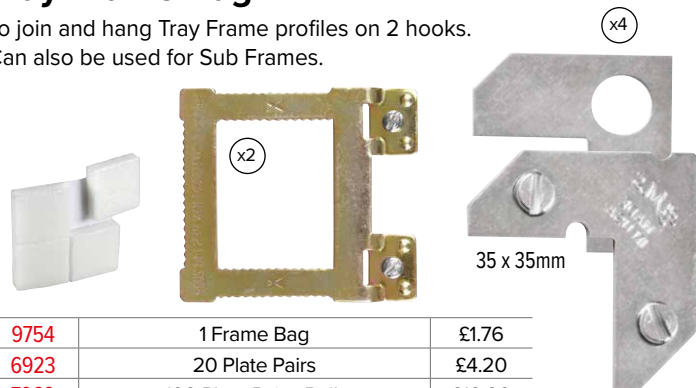
This profile forms a tray - the panel is bonded to the lip of the tray, creating an eye-catching shadow gap.



## Assembly Hardware for Tray Frames

### Tray Frame Bag

To join and hang Tray Frame profiles on 2 hooks. Can also be used for Sub Frames.



9754	1 Frame Bag	£1.76
6923	20 Plate Pairs	£4.20
7969	100 Plate Pairs, Bulk	£19.20

### Solvent Wipes

Always wipe contact faces before bonding a Sub Frame to a panel.

See p.2



### Heavy Duty Bonding Tape

For permanently attaching a printed panel to a Tray Frame.

See p.2







For more Tray Frame profiles & finishes visit [lionpic.co.uk](http://lionpic.co.uk)

# M SERIES M102 **NEW**

Two versatile and great value finishes

- New slimline tray frame profile with 8mm rebate.
- Fix the panel in place using 19mm Heavy Duty Bonding Tape (see p.2).

Code	Finish	Lengths	Chop
9744	Matt Black	£5.50m	£8.75m
9743	Matt Silver	£3.75m	£6.63m



9744  
Matt Black

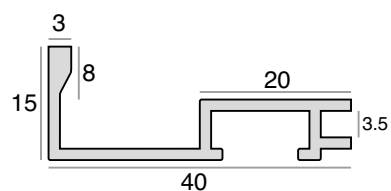


9743  
Matt Silver



Moulding: M102 9744 in Matt Black

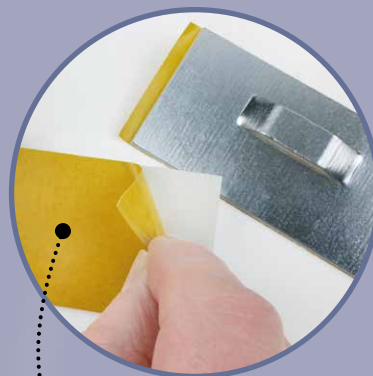
**M102**



# Self Adhesive Panel Hanging Plates



 **YouTube**  
LIONPFLTD





Self Adhesive Panel Hanging Plates are a quick and economical way to hang prints on substrates including ChromaLuxe, Dibond, Fomex and acrylic. They allow the panel to hang on almost any hook, nail or screw. Spacers at the bottom of the panel make it hang flat and slightly away from the wall.

## 1. Standard Self Adhesive Panel Hanging Plates

- Perfectly flat zinc-plated steel plates, with a horizontal hanging bridge.
- Used individually, they are ideal for smaller panels.
- Can also be used in pairs.
- See plates marked A, B, C E, F, G.

## NEW 2. Angled Self Adhesive Panel Hanging Plates

- Angled micro-sawtooth hanging bridges allow the panel to be moved side to side to get it perfectly level, even if the hooks or pins aren't.
- Used in handed pairs.
- Recommended for larger panels – gives greater stability, spreads the load over two wall fixings, helps keep the panel flat.
- See plates marked BB, EE and FF.

## Adhesive & Application

- All plates are backed with a high-quality Polyethylene foam pad with an aggressive rubber resin pressure sensitive adhesive on both sides. The paper release liner is slightly larger than the plates to make for easy peeling.
- Always prepare the surface with a solvent wipe prior to applying the hangers.
- Apply only to clean, dry, flat, dust free and non-porous substrates. Not suitable for soft surfaces such as paper, mountboard or similar.
- Recommended weights are based on the manufacturer's recommendations for a single plate. However, it is recommended that you carry out your own tests. Installer judgement advised.

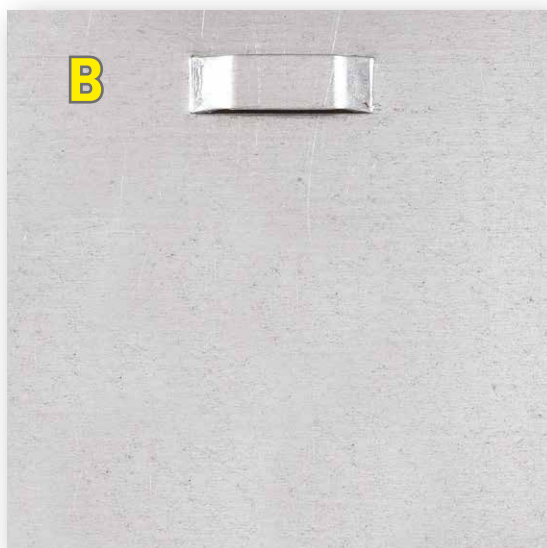
## Panel Hanging Plates A

- 40 x 80mm



Easy Peel backing paper

7545W	Hanging Plates A	pk 10	£5.05
9460W	Hanging Plates A	pk 100	£37.88



## Panel Hanging Plates B

- 100 x 100mm

9108W	Hanging Plates B	pk 10	£10.25
9484W	Hanging Plates B	pk 100	£82.00

Micro-sawtooth hanging bridges allow easy levelling adjustments by simply moving side-to-side.



## NEW Panel Hanging Plates Angled BB - 100 x 100mm

For easy levelling



Easy Peel backing paper

9978A	Panel Hanging Plates Angled BB S/ADH 100 x 100mm	5 prs	£11.48
9978B	Panel Hanging Plates Angled BB S/ADH 100 x 100mm	50 prs	£91.84

# Self Adhesive Panel Hanging Plates

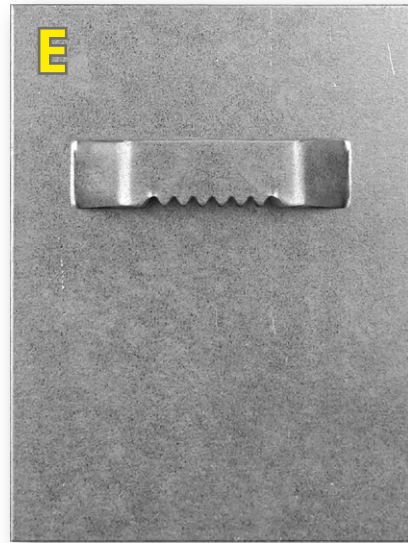
## Panel Hanging Plates C

- 200 x 100mm



## Panel Hanging Plates E

- 80 x 60mm



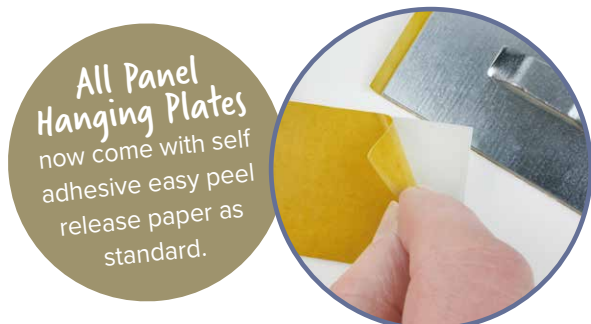
9107W	Hanging Plates E	pk 10	£6.00
9485W	Hanging Plates E	pk 100	£47.92

## **NEW** Panel Hanging Plates *Angled EE*

- 80 x 60mm For easy levelling



9109W	Hanging Plates C	pk 10	£13.33
9483W	Hanging Plates C	pk 50	£53.28



9979A	Panel Hanging Plates <i>Angled EE</i> S/Adh 80 x 60mm	5 prs	£6.72
9979B	Panel Hanging Plates <i>Angled EE</i> S/Adh 80 x 60mm	50 prs	£53.76





Angled Panel Hanging Plates are subject of a  
European Community Design Application No: EM007463690

**NEW**

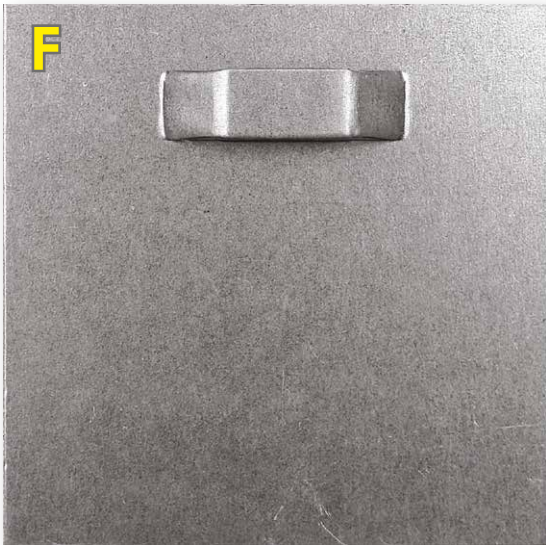
**Panel Hanging Plates *Angled* FF - 80 x 80mm**  
For easy levelling

Easy Peel backing paper



**3.4kg**  
per pair

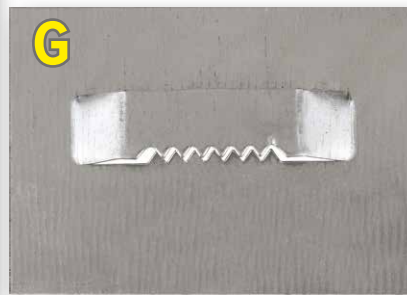
<b>9980A</b>	Panel Hanging Plates <i>Angled</i> FF S/Adh 80 x 80mm	5 prs	£7.47
<b>9980B</b>	Panel Hanging Plates <i>Angled</i> FF S/Adh 80 x 80mm	50 prs	£59.76



**2.3kg**

**Panel Hanging Plates F - 80 x 80mm**

<b>9482W</b>	Hanging Plates F	pk 10	£6.67
<b>9467W</b>	Hanging Plates F	pk 100	£53.36



**1kg**

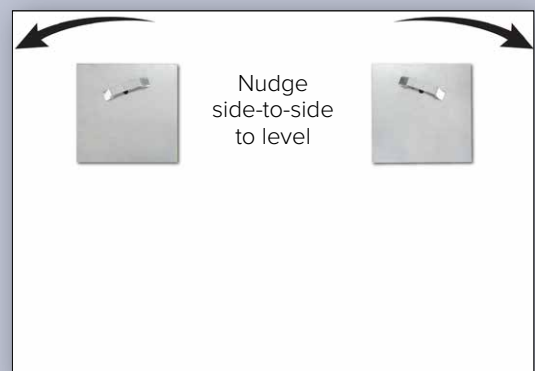
**Panel Hanging Plates G**  
- 45 x 60mm

<b>9200W</b>	Hanging Plates G	pk 10	£4.30
<b>9552W</b>	Hanging Plates G	pk 100	£34.40



**Which Panel Hanging Plates to use?**

Size (mm)	kg	Straight	kg	Angled
45 x 60	1.0	<b>9200W</b> / 10		
		<b>9552W</b> / 100		
40 x 80	1.2	<b>7545W</b> / 10		
		<b>9460W</b> / 100		
80 x 60	1.7	<b>9107W</b> / 10	2.5	<b>9979A</b> / 5
		<b>9485W</b> / 100		<b>9979B</b> / 50
80 x 80	2.3	<b>9482W</b> / 10	3.4	<b>9980A</b> / 5
		<b>9467W</b> / 100		<b>9980B</b> / 50
100 x 100	3.6	<b>9108W</b> / 10	5.4	<b>9978A</b> / 5
		<b>9484W</b> / 100		<b>9978B</b> / 50
200 x 100	7.2	<b>9109W</b> / 10		
		<b>9483W</b> / 50		



# T-Screw Safe & Secure Fixings

For aluminium Sub Frame, Art Frame & Tray Frame profiles

## T-Screws - how do they work?



T-Screws screw into a plug in the wall. When turned with a spanner, the T-head engages with the channel of any of our aluminium frame profiles.

This hidden fixing makes the frame safe and secure on the wall.

There are two installation options - see right.

## T-Screw Top Hook Kits for Aluminium

Top Hook plates are fixed to the wall, the frame hangs on those. Fit T-screw to lock the bottom of the frame to the wall.



3191	Top Hook kit for Alu	1 bag	£1.30
3191B	Top Hook kit for Alu	10 bags	£11.70
3191C	Top Hook kit for Alu	100 bags	£97.50

## T-Screw 3T Kit for Aluminium

Fix the T-screws into the wall, place the frame over and turn each to engage into the channel of the frame.



714	3T T-Screw kit for Alu	1 bag	£1.50
714B	3T T-Screw kit for Alu	10 bags	£13.50
714C	3T T-Screw kit for Alu	100 bags	£112.50



## T-Screw Parts & Accessories

2006	T-Screws	200	£14.82
2008	Slotted Plates + Screws	200	£18.80
2008C	Slotted Plates, only	2500	£150.40
2510	Top Hook plates 3mm step	200	£9.95
9986	Top Hook plates 9mm step	200	£10.50
2212	Fat Wall plugs	200	£7.52
3620	T-Screw driver adaptor	1	£21.97
889	T-Screw Spanner	1	£1.95
889B	T-Screw Spanner	pk 10	£15.60

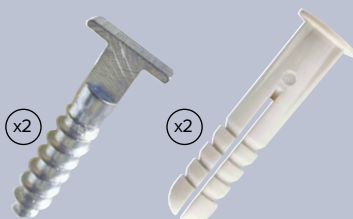
## For panels

### LION HangLOCK plates for panels - use with T-Screws supplied

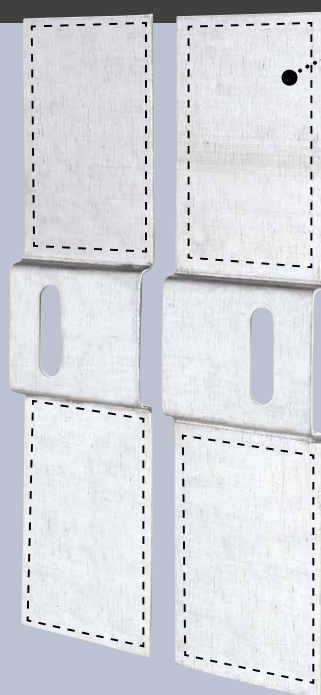
Self-adhesive steel plates, shaped to take a T-Screw. Use the same high-quality Polyethylene foam-backed adhesive as our other hanging plates.

Apply to aluminium, steel, ACP, Dibond, acrylic, foamed PVC graphic panels or similar to secure them to a wall. Use solvent wipes p.2 to prepare surface. No drilling of the panel required.

Two T-screws included.



9523	Hang Lock Plate - T-screw	1 set	£3.54
------	---------------------------	-------	-------



Each Plate 40 x 126mm

Prepare panel surface with solvent wipe before bonding HangLOCK plates See p.2.

Self-adhesive Pads on all four faces

Turn with T-screw spanner to lock, 889 Order separately

Polyfibre Bumpers See p.3



# Corner & Edge Protection

For panels

## Soft blue foam slip-on protective corners for prints on thin panels

Specially designed to slip onto the corners of prints on panels up to 1.5mm thick.

Little risk of vibration abrasion damage in transit.

Made from soft blue foam, with a slit in the long face. Can be held in place with handywrap around the edge of the panel.

Corners are 48 x 48 x 67mm, and 9mm thick.



9974	Small soft foam corners	pk 500	£34.49
------	-------------------------	--------	--------

## Panel Edge Protector Grey foam 700m roll

Prints on thin panels need to be packed and handled very carefully.

The edges and corners need special protection. This soft, grey non-scratch foam 28mm x 20mm is ideal. Single slit to 6mm hole

Easily cut to length with a sharp knife. Cut square and overlap at corners to protect the corner. Secure with handywrap, 2884.

Currently available in bulk roll, 700m long. Enough for 260 or more panels 700 x 500mm.



9977C	Panel Edge Protector	£364.71
-------	----------------------	---------

## Corner Protectors for Panels - Plastic

We have extended our range of corner protectors in plastic.

It now includes corners for thinner panels such as glass and sublimation printed panels such as ChromaLuxe™.



9610 White  
4mm, 35 x 35mm

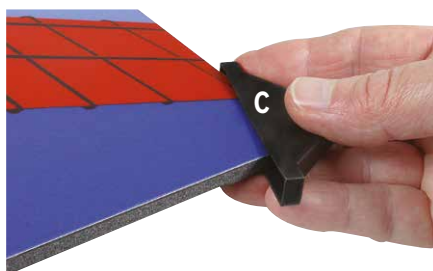
9612 White  
8mm, 35 x 35mm

9611 Black  
4mm, 35 x 35mm

9613 Black  
8mm, 35 x 35mm



9610	4mm White	A	500	£16.00
9611	4mm Black	A	500	£16.00
9612	8mm White	B	400	£22.30
9613	8mm Black	B	400	£22.30
9614	5mm White	C	250	£13.20
9615	5mm Black	C	250	£13.20
9609	Trial Pack - 4 of each type			£0.75

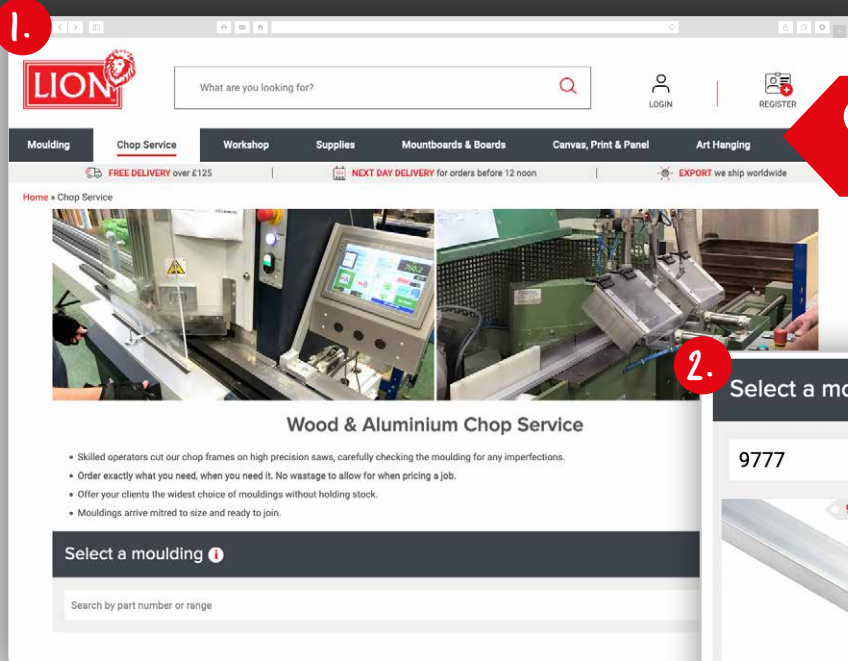


9614 White  
5mm, 50 x 50mm

9615 Black  
5mm, 50 x 50mm

# Chop Service

Order aluminium profiles cut to size in 3 easy steps



1. Visit:  
[lionpic.co.uk/chop-service](http://lionpic.co.uk/chop-service)



## Wood & Aluminium Chop Service

- Skilled operators cut our chop frames on high precision saws, carefully checking the moulding for any imperfections.
- Order exactly what you need, when you need it. No wastage to allow for when pricing a job.
- Offer our clients the widest choice of mouldings without holding stock.
- Mouldings arrive mitred to size and ready to join.

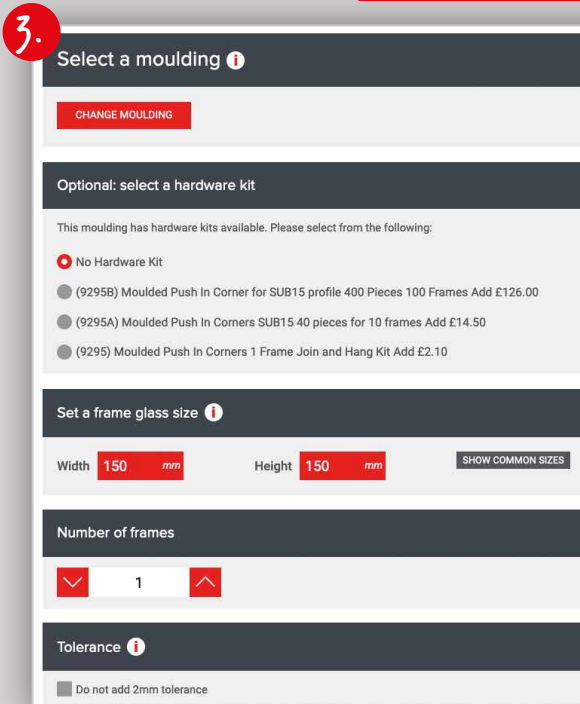
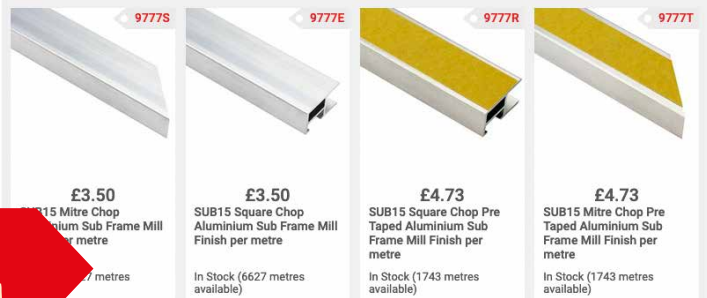
### Select a moulding

Search by part number or range

2. Select:  
Choose your moulding

### Select a moulding

9777



### Summary: 9777E



£3.50 ex VAT per metre  
SUB15 Square Chop Aluminium Sub Frame Mill Finish per metre  
In Stock (6627 metres available)

Frame glass size 150mm x 150mm

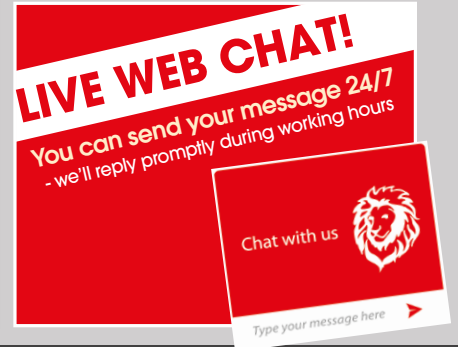
Total frames required 1

Notes None

Price £2.10 ex VAT

Add to Basket

3. Order:  
Enter your measurements  
and complete your order!



[lionpic.co.uk](http://lionpic.co.uk)

For our full product range and to order online

Expert product advice

+44 (0)121 773 1230 [info@lionpic.co.uk](mailto:info@lionpic.co.uk)



We use REVIEWS.io

as our trusted online platform to share our customer's feedback.

We're very pleased to now hold a 4.78 star rating.

We pride ourselves on always giving the highest level of customer service.

+44 (0)121 773 1230

148 Garrison Street, Birmingham, B9 4BN, UK