

# COPPER FOIL

## Masterfoil by Venture

Masterfoil is Venture's brand of fine copper foil. Venture's foil has an adhesive which provides quick initial tack and greater bonding power. The copper alloy is high tensile strength with a soft temper (for maximum conformation to the contours of the glass). All this makes for a superior foil, unmatched in the market.

**1725-5mm ... Copper Foil 5mm wide.**

**1725-5.5mm ... Copper Foil 5.5mm wide.**

**1725-6mm ... Copper Foil 6mm wide.**

**1725-10mm ... Copper Foil 10mm wide.**



## 1626 ... Copper Foil Sheet

Superior, high tensile, malleable copper alloy sheeting for filagree work. Individually packaged in protective poly bag. Size: 305mm x 305mm

## Specialty Foil

Venture Specialty Foil includes coloured foils and New Wave foil. Colour foil was developed to overcome an aesthetic problem with copper foiled projects... the copper edge that peeks around from the back side of your work when you use clear glass or mirror. The copper edge is obvious on projects such as boxes, frames, mirrors or cabinet doors.

Black Backed Foil is used when you use black patina on the finished work. Available in three sizes.

**4415-5mm ... Black Back Foil 5mm wide.**

**4415-5.5mm ... Black Back Foil 5.5mm**

**4415-6mm ... Black Back Foil 6mm wide.**

Silver Backed Foil is silver on one side. Use on projects that would require to only tin exposed foil, such as box lids, suncatchers or kaleidoscope wheels. Saves you the time of tinning. Also use it when you leave your finished solder silver.

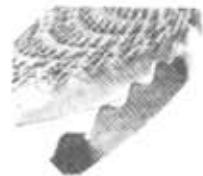
**4414 ... Silver Backed Foil 6mm wide.**

## 1660... 6mm Silvered Copper Foil

A Venture exclusive! Silver on both back and face surface. For use with all clear, non-opalescent glass and mirrors to match the visible internal lip of foil with soldered seams.

New Wave Copper Foil features a scalloped edge. Use it for creative foil lines or decorative borders.

**4416... New Wave Copper Foil.**



## Hidden Reinforcement

Copper Re-Strip by Venture is a 3.5mm wide strip of copper reinforcement which can be easily concealed in your windows. The size allows you to run this strip between pieces of foiled glass. The 3.8mm width also allows you to conceal this reinforcement in the channel of lead came. You run it down the middle of the came, next to the came's heart. Ideal for fine work where steel Re-bar is not suitable

**4205... Copper Re-Strip 7.5m roll.**

### Six Steps to Foiling

1. Have enough of the required sizes of foil on hand. Substitutions will provide inadequate results.
2. Do not advance to wrapping until all of the glass is cut and ground. If it is practical to lay the entire project out, do so before you begin foiling.
3. Do not foil, then stop to crimp the foil around the edges. This stop and start action just wastes time. Foil all the pieces then return and crimp them.
4. Protect the tips of your fingers with some kind of thimble-like covering. Masking tape wrapped around the pads of your fingertips provides a semi-hard surface.
5. Use a lathekin or crimper only if you feel it is absolutely necessary. The habitual use of a lathekin, whether the foil needs further crimping or not, can waste valuable assembly time.
6. If it is impractical to have all the project pieces laid out on the design, keep background, flower, leaf, stem and border pieces separate. Place them in individual containers. Once they are foiled, this will make laying them out much easier.

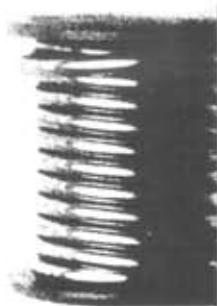
### Which solder should I use?

Your choice depends on how fast you work or the look you wish to achieve. Lets start with a definition.

Solder is the metal used to join pieces of glass wrapped in copper foil or lead came. A 'soft' solder of tin/lead alloys is used in stained glass because it melts easily. The numbers used to identify solder refer to the mix of tin and lead. The first number listed is always tin.

The correct mix for stained glass is 50/50 or 60/40. An important difference between these solders is the temperature at which they melt. 50/50 solder melts at a higher temperature than 60/40.

A more important difference is the time for the solder to solidify after it has melted. This is called the 'pasty' stage. 50/50 remains pasty for a fraction longer than 60/40. You may find this easier to work with.



Code	Description	Per	
50/50 RLS	50/50 Reels Solder (3Kg)	CARTON	12 RLS/CTN
50/50-10KG	50/50 10Kg Reel	REEL	
50/50-500	50/50 500 Gram Reels	EA	
SC50501	10 Kg 50/50 Solder Ribbon	EA	
60/40 RLS	60/40 Reel Solder (3Kg)	CARTON	12 RLS/CTN
60/40-10KG	60/40 3.2 Solid Wire Solder	REEL	
60/40-500	60/40 500Gm Solder Reels	EA	
SC60401	10 Kg 60/40 Solder Ribbon	EA	

## Reinforcing Bars

Pretinned steel reinforcing bar adds strength and rigidity to your work. Suitable for straight lines, mild curves or angles. Pretinned Re-bar solders easily to your work, or can be used with tie wires. Can be bent in a vice to follow your lead lines. Sold in individual 1800mm lengths in a choice of two sizes.

### Using Steel Reinforcing Bars:

Flat Steel Bars (usually pre-tinned to facilitate soldering and to accept patinas to match lead colour), are soldered directly to the window and are an integral part of its structure. These bars are available in two sizes and can be bent with the help of a jig or vice to follow the lead lines of the design and thereby "disappear" into the window. They should span the entire panel and be set into the frame.

To solder a flat bar to your panel, first cut it to length, then lay the bar across the panel in the correct position and mark the lead and the bar where they intersect. Remove the bar and apply flux to the marked points on it and the lead and melt a blob of solder onto each mark on the bar. Lay the bar on edge across the panel in position and solder it to the lead. The bar can be cleaned and patina applied.

Note: Make sure you cement your window before fitting a strengthening bar.



4203

4203... Pre-tinned Re-bar 6mm x 3mm.

### Uses of Lead and Foil Techniques

Lead is the preferred method when making windows, due to the strength offered by the size of lead, especially after cementing. Leaded windows also tend to be more weatherproof, important if your panels are open to the elements. Terrariums and simple lamps may also be made using lead.

Foil is more suitable for three dimensional objects such as lamps, terrariums and boxes. It is also the best technique for windows that have many small pieces and will not be exposed to the weather. Accuracy of glass cutting is important with foil.



## AUSTRALIAN MADE

Paragon Lead Came, Castlead Came and the Solders featured are all proudly made in Australia by

 **Consolidated Alloys**

# LEAD CAME

## PARAGON LEAD

Paragon Lead has found a wide market acceptance throughout Australia. Preferred by most professional studios their lead is consistently clean and bright. Sold in 15kg boxes each piece is 1200mm long. They are wrapped in foil for protection against corrosion and packed in rigid cardboard cartons.

*Paragon*



FLAT PROFILES		Sizes ( mm )		
Code	Description	Profile (A)	Channel (B)	Height (C)
7LC	6.5Mm Flat	6.5	5.0	7.0
4LC	7.2Mm Flat	7.2	4.0	6.5
8LC	7.5Mm Flat	7.5	4.5	7.5
53LC	9Mm Flat (Hard)*	9.0	4.0	6.0
3LC	10Mm Flat	10.0	4.5	7.5
3LC-H	10Mm Flat (Hard)*	10.0	4.5	7.5
1LC	12.7Mm Flat	12.7	6.0	9.0
2LC	12.7Mm Flat	12.7	4.0	7.0
51LC	12.7Mm Flat	12.7	6.0	7.4
55LC	12.7Mm Flat	12.7	5.1	8.1
52LC	13Mm Flat (Hard)*	13.0	4.5	6.5
5LC	16Mm Flat	16.0	4.8	7.8
6LC	19Mm Flat	19.0	8.9	6.4

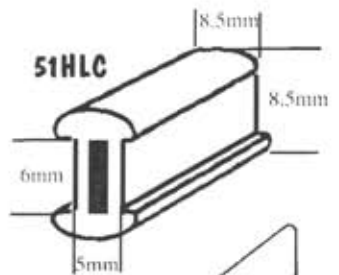
ROUND PROFILES		Sizes ( mm )		
Code	Description	Profile (A)	Channel (B)	Height (C)
16LC	3.3Mm Round	3.3	4.5	7.5
12LC	4Mm Round	4.0	4.5	8.5
39LC	4.2Mm Round	4.2	4.5	7.8
19LC	4.4Mm Round	4.4	4.8	7.0
29LC	4.5Mm Round	4.5	4.2	7.5
29LC-H	4.5Mm Round (Hard)*	4.5	4.2	7.5
20LC	4.6Mm Round	4.6	6.5	9.0
9LC	4.7Mm Round	4.7	5.0	9.0
11LC	5.5Mm Round	5.5	5.5	8.0
9BLC	5.5Mm Round	5.5	4.5	7.0
17ALC	6.4Mm Round	6.4	4.0	6.5
17HHLC	7.6Mm Round High Heart	6.4	7.6	10.2
17LC	6.4Mm Round	6.4	4.8	8.0
10LC	8.7Mm Round	8.7	6.0	8.7

REINFORCING PROFILE		Sizes ( mm )		
Code	Description	Profile (A)	Channel (B)	Height (C)
51HLC	8.5Mm Round for Reinforcing	8.5	6.0	8.5
R/BAR	Reinforcing Bar for 51HLC			

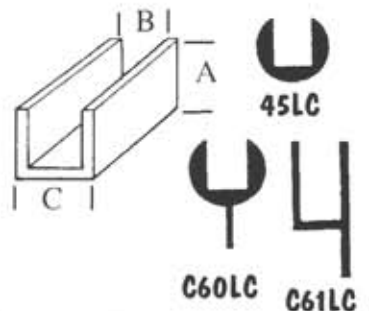
Y' & 'U' SHAPED PROFILES		Sizes ( mm )		
Code	Description	Profile (A)	Channel (B)	Height (C)
Y50LC	5Mm Flat Y Section	5.0	4.0	7.0
C60LC	13.3Mm Round Y Section	13.3	4.0	6.4
C61LC	15Mm Flat Y Section	15.0	3.0	5.5
41LC	5.5Mm U Shape	4.8	4.0	5.5
45LC	6Mm U Shape Round	6.0	4.3	6.0
15LC	6.1Mm U Shape	3.0	4.1	6.1
32LC	7.2Mm U Shape	5.0	5.2	7.2
40LC	7Mm U Shape	4.4	5.0	7.0

### Reinforced Lead Came

The strongest lead channel available is the **51HLC**, which has a hollow heart to accommodate a steel reinforcing bar (R/BAR). This channel will create very strong windows with no signs of external reinforcing. R/bar can be cut with a hacksaw.



**R/BAR**  
(Sold Separately)

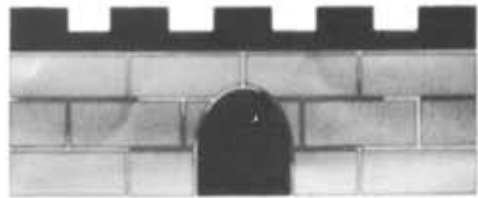


\*Hard lead has more stiffness than standard lead making it ideal for larger borders.

# LEAD

























## CASTLEAD WORKS

























- CASTLEAD is packaged in 15kg. boxes except adhesive lead in 5kg. boxes.
- Castlead Came is sold in 1 metre lengths.
- Our number system is the face of the lead in millimetres.
- Being cast in a mold. Castlead does not need stretching.



**U** = **U-lead**  
**SQ** = **Square**  
**R** = **Round**  
**F** = **Flat**  
**RRF** = **Round reinforced**

**FRF** = **Flat reinforced**  
**CNR** = **Corner lead**  
**ADH** = **Adhesive lead**  
**FL** = **Fluted**

	<i>Cat. No.</i>	<i>Channel Width</i>	<i>Heart Thickness</i>	<i>Approx lengths per Box</i>
	CL4U	3.8	2.3	86
	CL5.1U	4.3	1.3	127
	CL6U	4.2	1.0	68
	CL2.8SQ	3.9	.7	163
	CL4SQ	5.0	.8	126
	CL4.2SQ	5.3	1.1	80
	CL6SQ	4.2	2.3	93
	CL3.1R	3.8	1.0	114
	CL3.2R	5.0	.9	104
	CL4.2R	4.8	.9	117
	CL4.4RRF	4.1	.9	68
	CL4.5R	4.3	.9	86
	CL4.6R	4.6	.8	77
	CL4.7R	4.4	.9	116
	CL5.0R	4.5	.8	114
	CL5.2R	4.5	1.2	70
	CL5.3R	5.5	.9	92
	CL5.4RRF	4.7	2.1	59
	CL5.9R	5.0	.9	88
	CL6.1RRF	4.1	1.4	59
	CL6.2R	7.6/4.5	1.0	47
	CL6.4R	4.3	.8	56
	CL6.5F	5.0	1.0	65
	CL6.5R	5.0	1.0	68

	<i>Cat. No.</i>	<i>Channel Width</i>	<i>Heart Thickness</i>	<i>Approx lengths per Box</i>
	CL7.0R	4.6	.8	68
	CL7.7R	4.7	.8	75
	CL8.0R	6.0	1.0	52
	CL9.5F	4.0	.8	67
	CL9.5R	5.0	1.0	46
	CL9.6FRF	4.7	2.1	43
	CL10.0F	5.0	1.1	51
	CL12.4F	5.0	1.1	41
	CL12.7F	3.6	1.2	41
	CL12.7R	4.8	.9	35
	CL14.8FL	4.6	1.8	38
	CL15.0R	5.0	1.0	28
	CL15.3F	5.0	1.0	36
	CL16.0R	7.0	1.0	26
	CL18.5R	4.6	.9	28
	CL25.0R	4.6	1.1	20
	CL90CNR	4.3	1.0	36
	CL13Y	4.3	9.0	32
	CL120CNRA	3.2	1.8	78
	CL120CNRB	3.9	1.4	97
	CL3.8ADH			90..5kg
	CL5.6ADH			60..5kg
	CL7.7ADH			45..5kg
	CL11.7ADH			30..5kg

# ADHESIVE LEAD

## Adhesive Lead Strips

Available in a variety of widths, these adhesive lead strips allow you to create simulated leadlight panels quickly and easily. All the lead strips have a rounded profile and a high quality adhesive backing. They can be used on glass inside or outside the house giving a real leadlight look. The adhesive lead strips can be used in conjunction with glass paints on skylights, doors or windows. The strips are available in the standard lead finish which can be blackened once installed, or in the 'Antique' finish which is pre blackened for an instant polished look. Each of the lead strips can be easily cut to size with a heavy duty craft knife or lead knife and placed directly onto the glass in your chosen design. The joints can be soldered to create an authentic leadlight look. Each profile comes on an easy to dispense reel in a variety of continuous lengths.



...create a simulated leadlight quickly and easily with these easy to apply adhesive lead strips.

### Adhesive Lead Strip - Standard Finish

Code	Description	Per
SL35/20	3.5mm Round x 20m reel	EA
SL45/10	4.5mm Round x 10m reel	EA
SL45/25	4.5mm Round x 25m reel	EA
SL45/50	4.5mm Round x 50m reel	EA
SL60/10	6.0mm Round x 10m reel	EA
SL60/50	6.0mm Round x 50m reel	EA
SL90/10	9.0mm Round x 10m reel	EA
SL90/50	9.0mm Round x 50m reel	EA

### Adhesive Lead Strip - Antique Finish

Code	Description	Per
SLA45/10	4.5mm Round Antique x 10m reel	EA
SLA60/10	6.0mm Round Antique x 10m reel	EA

## HAND & BODY CLEANERS

### Clean-All Hand & Body Soap



**Before eating, drinking or when leaving your work area you should clean your skin with Clean-All Hand & Body Soap...**

To avoid contamination from heavy metals you should take advantage of Clean-All's ability to wash away all trace of heavy metal residue from the skin. Available in a range of convenient sizes.

#### Clean All Hand & Body Soap

Code	Description	Per
CHSG500	Clean All Soap 500MI Squeeze Bottle	EA
CHSG500P	Clean-All 500MI With Pump	EA
CHSG5	Clean All Soap 5 Litres (No Pump)	EA
CHDISP5	5L Cleanall+Wallmount+Pump	EA
CHSG20	Clean All Soap 20 Litres	EA
CHSG200	Clean-All Soap 200 Litres	EA

#### Accessories for Clean All Hand & Body Soap

Code	Description	Per
500MLPUMP	500MI Pump	EA
5LTRPUMP	Pump For 5 Ltr Container	EA
CHSDISP	Wall Mount Bracket	EA

### D-Wipe Towels



#### WT040...

#### D-WIPE 40 PACK

40 lead removing wipes in a convenient dispenser pack.

#### WT220...

#### D-WIPE 220 PACK

220 lead removing wipes in a bulk dispenser pack.

### Remove Lead and other Heavy Metals from the skin and washable surfaces...

These premoistened towels are specially developed for immediate cleanup of metal contamination without the need for water.

The soft towels are saturated with a unique antibacterial, moisturizing cleaning formula. They clean a wide variety of metal contamination from most surfaces.

The gentle cleaning agents safely remove hazardous metals from the skin and other surfaces. The contaminants are captured in the towel for safe disposal minimizing the risk of personal contamination from heavy metals.

D-Wipe towels come in handy dispenser packs that can be placed in strategic areas for convenience and safe cleaning.