

EDCO foil is specially formulated with a superior acrylic adhesive making for a softer, more heat resistant backing which helps strengthen the foil. All foils have greater conformability, superior adhesion and are precision slit to uniform width. Professional quality guaranteed. Each roll has 36 yards of foil.



<u>Copper Back</u>	<u>Black Back</u>	<u>Silver Back</u>
3/16" \$9.95 Catalog #363316	3/16" \$12.95 Catalog #362316	3/16" \$12.95 Catalog #361316
7/32" \$10.95 Catalog #363732	7/32" \$13.95 Catalog #362732	7/32" \$13.95 Catalog #361732
1/4" \$12.95 Catalog #363140	1/4" \$15.95 Catalog #362140	1/4" \$15.95 Catalog #361140

Atlantic Stained Glass is proud to carry the EDCO line of copper foil products. EDCO's foil is softer and the adhesive quality is second to none. EDCO foil is truly ASGS instructor approved!

<u>Copper Back</u>	<u>Black Back</u>	<u>Silver Back</u>
3/16" \$8.95 Catalog #463316		
7/32" \$8.95 Catalog #463732	7/32" \$11.95 Catalog #462732	7/32" \$11.95 Catalog #461732
1/4" \$9.95 Catalog #463140	1/4" \$12.95 Catalog #462140	1/4" \$12.95 Catalog #461140

Studio Line™

STAINED GLASS FOIL



Venture Copper Foil Sheet #363626 \$6.95
A superior, high tensile, malleable copper alloy sheet used for filigree work, overlays and artistic detailing. Comes in a versatile, easy to cut 1.25 mil adhesive backed 12" x 12" sheet.

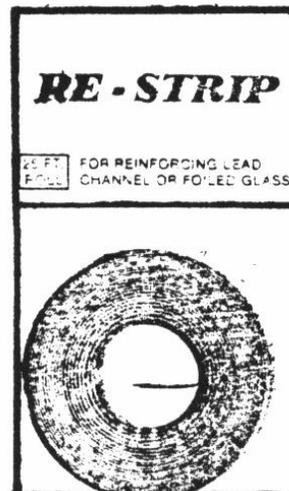


- "New Wave" Copper Backed Foil #361766 \$22.95
- "New Wave" Silver Backed Foil #361772 \$26.95
- "New Wave" Black Backed Foil #361773 \$26.95

New Wave foil is ideally suited for lamp borders, fanlamps, nightlights, suncatchers or any project where a special touch is desired. The 1.5 mil thick foil resists peeling under heat. Available in copper, silver or black back!

- Copper Re-Strip (25 ft.) #132025 \$8.95
- Copper Re-Strip (100 ft.) #132100 \$29.95

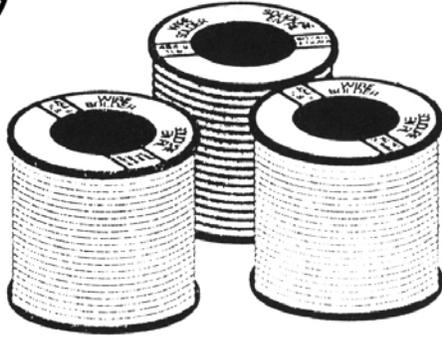
Copper re-strip is used to invisibly reinforce foiled or leaded projects. The strip is flexible enough to be bent and "hidden" between the foiled or leaded pieces of glass. When soldered it becomes rigid and provides excellent support. Re-strip is an inexpensive method to solve the problem when creating large panels with lots of curves where regular rebars would be too noticeable. 5/32" wide & 0.01" thick.



Did you know...?
When Louis Comfort Tiffany pioneered the copper foil method of stained glass he would begin with a brick of solid copper then hammer it out into a thin layer of foil. Taking a knife or scalpel he would trim the sheet, by hand, into thin strips. For an adhesive he would apply a layer of paraffin or bees wax to the strip of foil.
It is said there is a fine line separating genius and madness ... on which side of that line do you suppose Tiffany stood?



Solder



50/50 Solder	#5050	Call
60/40 Solder	#6040	Call
63/37 Solder	#6337	Call
Lead-Free Solder	#9703	Call

Please note that our solder is commodity priced and will vary with wholesale market conditions. Please call for current prices.

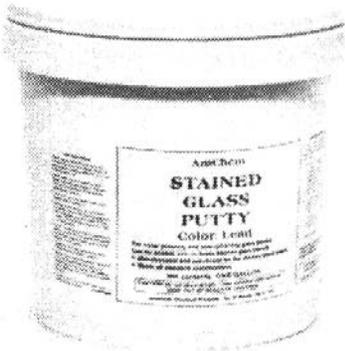
50/50 Solder ~ Comprised of 50% tin and 50% lead with a melting point of 456 degrees. The higher lead content makes for a higher melting point and a larger working zone: the temperature range from the point where the solder melts to the point at which it solidifies. Traditionally used with lead came work.

60/40 Solder ~ Comprised of 60% tin and 40% lead with a melting point of 370 degrees. The higher tin content makes for a lower melting point and smaller working zone: the temperature range from the point when the solder melts to the point at which it solidifies. Typically, 60/40 is the choice for those who want enhanced workability and higher beads. It also has a shinier surface upon cooling and takes patina very well.

63/37 Solder ~ Comprised of 63% tin and 37% lead with a melting point of 361 degrees. It is known as eutectic solder, meaning it melts and solidifies at the same temperature promoting higher solder beads; for this reason it is sometimes referred to as the "beading" solder. Overall, it is easy to work with and perfect for decorative soldering & beading the edges of projects.

Lead Free Solder ~ Comprised of 97% tin and 3% silver. Lead free solders are used in making jewelry, candy dishes & other food vessels. It is also the choice of those with concerns about working with lead, or for small children tinkering in the art. Lead-free solders do not accept patina well.

Putty, Whiting & Etching Creams



Atlantic Stained Glass ~ Bright Idea

When using lead came be sure to pay attention to the temperature you are working with. Pure lead melts at 621 degrees, and 50/50 solder melts at 456 degrees. If you are using a temperature controlled iron, use a 600 degree tip. This tip is hot enough to melt the solder, but not so hot as to melt the lead came. If you are using a non-temperature controlled iron, you must play around with the rheostat until the temperature of the iron is such that it doesn't melt the lead upon contact, but is still hot enough to melt the solder.

AmChem Putty (1/2 pint ~ 1 lb.)	#380501	\$12.95
AmChem Putty (1 pint ~ 2 lb.)	#380502	\$19.95
AmChem Putty (1 quart ~ 4 lb.)	#380504	\$32.95

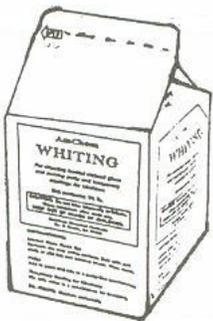
AmChem produces an outstanding, fast setting stained glass cement designed specifically for strengthening and water-proofing leaded glass panels. Its gray color blends naturally with the lead came and cleans up easily with whiting.



Velvet Etching Cream (2 oz.)	#385303	\$14.95
Velvet Etching Cream (1-1/2 lb.)	#385315	\$45.95

A thick, easy to use cream paste which imparts a frosted finish when applied to bare glass. Simply brush the etching cream on the bare areas left by stenciling, wait 15 minutes, then rinse! Perfect for personalizing your projects!

Caution: Contains hydrogen fluoride which is an extremely caustic chemical compound. Please use with extreme care.



Whiting (1 lb. Tub)	#382301	\$8.95
Whiting (3 lb. Tub)	#382305	\$14.95

Whiting cleans flux and putty residue from leaded work. After cleaning the excess putty from the project, sprinkle the whiting powder over the leaded panel, swirl it around with the grout brush then brush it off. Whiting serves to absorb the moisture from the cement (which begins the hardening process) and its abrasive qualities help polish the lead. **Always wear a respirator when whiting!**

Atlantic Stained Glass ~ Bright Idea

Having trouble deciding which flux is right for the job? Generally, an acid flux, such as Old Master's is the best bet. Acid fluxes react quickly and remove the oxides from the copper foil, prep the foil to accept solder, then prompt the solder to flow smoothly. However, if you are working with a mirrored back glass, you should use a non-acid or non-corrosive flux, since the acid will react with and remove the mirror backing. When working in lead, we prefer to use Glastar's Glasflux given its less corrosive nature with lead came.



All comes, frames & rebar are stocked and sold in 6 foot lengths. Canada post will not ship any package exceeding 3 feet in length.

Therefore, we will ship 2x3 foot lengths to all mail order customers using Canada Post. If the full 6 foot length is required, these items may be shipped via courier.

Please note: These are the most common comes we sell. As Atlantic Canada's leading liturgical creation/restoration studio we have many more lead comes on site, with a variety of widths and profiles. If you don't see what you want please call.

	Face Width	Channel Width	Lead Came Catalog #	Price	Copper Catalog #	Price	Zinc Catalog #	Price
	9/32"	5/32"			CU-932	\$8.95	ZB-932	\$5.95
	3/8"	5/32"			CB-375	\$16.95	ZB-375	\$8.95
	1/2"	5/32"			CB-500	\$21.95	ZB-500	\$9.95
	3/4"	5/32"					ZB-750	\$12.95
	1/4"	3/16"	FH-50	\$8.95				
	7/32"	5/32"	RH-4	\$7.95				
	3/16"	3/16"	RH-5	\$7.95				
	3/16"	5/32"	RH-5-N	\$7.95				
	1/4"	5/32"	RH-6	\$7.95				
	1/4"	5/32"	SU-55	\$7.95				
	3/16"	5/32"	RU-80	\$7.95				
	1/8"	5/32"	RU-90	\$4.95				

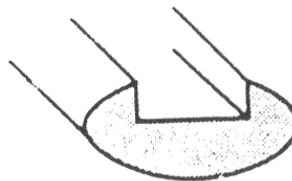


1/16" "U" Channel Hobby Came

This bright alloy lead has a 1/16" deep channel. It's widely used for suncatchers, holiday angels and night lights.

#CMR-RU01 \$1.50

~ Sold in 3 foot lengths ~



1/16" "H" Channel Hobby Came

This bright alloy lead has a 1/16" deep channel. It's used as a compliment to the RU01 "U" channel hobby came.

#CMR-RU03 \$2.50

~ Sold in 3 foot lengths ~

Single Side "U" Channel

Easily cut with lead snips, this channel is the perfect framing solution! Maintains a bright, durable finish. Solders easily!

Copper - 6 ft #CU-130 \$3.95

Zinc - 6 ft #ZU-130 \$1.95



Catalog #

RH-5N-RF \$14.95

RH-6-RF \$15.95

Face Channel

3/16" 5/32"

1/4" 5/32"



Brass Reinforced Lead Came

This special came is flexible enough to bend, yet rigid enough to resist sagging. A strip of brass is embedded in the heart of the came, making it undetectable. This came is the perfect solution for a project when external rebar can't be used. Excellent for doors, windows or cabinetry that is being jarred by constant opening and closing. Sold in 6 foot lengths.

External Zinc Rebar

#263516 \$8.95

Re-inforcing bar (rebar) adds a great deal of strength & rigidity to your projects. Rebar can protect a panel from the effects of constant jarring or sagging and can be soldered directly to the lead or foil lines, or wire wrapped for easy removal. Rebar is available in 1/8" thick zinc and is sold in 6 foot lengths.





Fluxes & Cleaners



Glasstar Glasflux (4 oz.)
#387604 \$8.95

An excellent multi-purpose, water soluble flux for use on lead came or foil. Glasflux will not corrode copper foil or discolor lead came. The gel consistency allows a smooth, easy brush-on application.

Flux and Patina Cleaner & Neutralizer
#3850003 \$9.95

This special cleaner neutralizes the acid residues from flux and patina, which helps reduce the oxidation and corrosion which can occur days or weeks after soldering. Special cleaners leave your work sparkling.



Old Master's Flux (8 oz.)
#382275 \$5.95

Novacan quality at a decent price! This all-purpose, liquid flux is easily cleaned with water and won't corrode soldering iron tips, so it can be used as an occasional tip cleaner.



Multi-Flow Safety Flux (4 oz.)
#381001 \$6.95

Safety flux is a non-corrosive, non-acid, zinc chloride free, self cleaning liquid flux. It is best used in circumstances where an acid active flux will corrode or react with the project.

Cutter Oil & Polish



Novacan Cutter Oil (8 oz.)
#385100 \$6.95

Developed for the stained glass industry and engineered specifically for oil-fed cutters, this oil based fluid is the perfect consistency, non-toxic, non-corrosive, non-flammable and will not degrade acrylic handles of the new lightweight cutters.



Kem-O-Pro Polish (12oz.)
#1151312 \$19.95

Insures a bright, even, durable and professional finish on all solder seams treated with patina. Polishes brightly and protects against tarnish. Cleans and waxes glass to a brilliant shine.

Patina

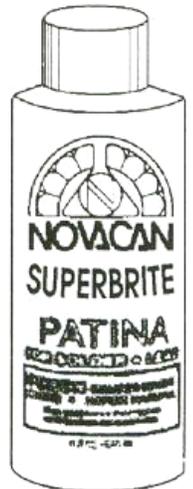
Novacan Black Patina (8 oz.)
#3816103 \$5.95

When first applied this patina gives a deep black matte or satin finish to solder, lead or zinc. When polished with Kem-O-Pro finishing compound, the solder buffs to a glossy antique black.



Novacan Copper Patina (8 oz.)
#3815103 \$5.95

When first applied, this patina gives a nice antique copper finish to solder. When polished with Kem-O-Pro finishing compound, the solder buffs to a bright, shiny "new penny" look.



Atlantic Stained Glass ~ Bright Idea

Confused as to which patina to use and when to use it? Patinas are a functional and inexpensive way to lend personality to your projects. They are easily applied and every artisan should be armed with a bottle of each color. Certain patinas compliment certain colors: ambers, greens and pinks look nice with a copper finish; blues look good left with the natural silver finish; and darker colors and purples look good with a black finish. These are only guidelines, there are no rules, so use the color patina that you think looks best. It is best to experiment and discover the look you like best. Remember to neutralize ... patinas contain acids!