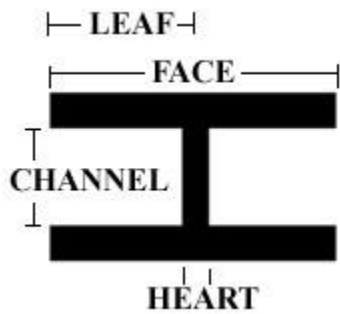


Stained Glass Supplies

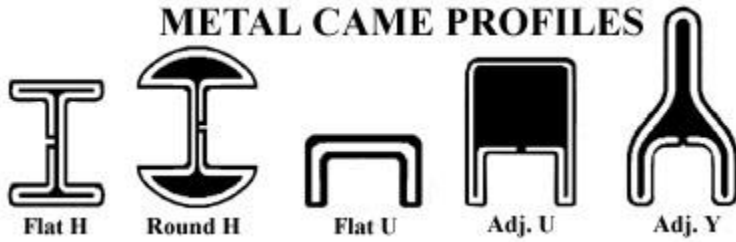
| Essential tools | Purpose |
|--|---|
| Glass cutter | Score glass |
| Grozing pliers | Break or groze (chip) glass |
| Lead nippers | Cut lead came |
| 100-watt soldering iron | Enough for most lead or copper foil projects |
| Fid, plastic or wooden | Helps to shape lead came, smooth foil |
| Hack saw | Cut zinc came or rebar |
| Brush with copper bristles | Clean lead prior to soldering |
| Scrub brushes and burlap | Apply grout to leaded glass panels |
| | |
| Essential materials | |
| 1/8, 3/16, or 1/4 inch round H lead came | Holds the glass for leaded panels; 3/16 for most use |
| 1/4 or 1/2 inch Flat U zinc came | Use on the outside of leaded panels, use 1/4 inch for panels about 1 sq ft |
| 1/8-inch flat U copper or zinc came | Use on outside of copper foil or small leaded glass panels, can be cut with nippers |
| 3/16-inch copper foil | Use to surround edge of glass for foiled panels |
| Solder (tin/lead: 60/40 or 50/50) | Use 60/40 for lead and 50/50 for foil |
| Liquid flux | Prepare lead or copper foil before soldering |
| Zinc rebar (for large panels) | To support large, leaded glass panels |
| | |
| Making patterns | |
| Glass Eye Software | Designs for windows and lamps |
| | |
| Miscellaneous materials | |
| Lead knife | Helps to shape and cut lead came |
| Light-weight hammer and nails | Secure panel while constructing |
| Scissors and clear tape | Trim patterns, tape together |
| 1/4 or 1/2 inch lathing strips | Secure panels while constructing |
| Heavy duty square | Useful to cut glass |
| Homosote surface on a sturdy table | Place on top of table for construction |
| | |
| Non-essential tools | |
| Zinc saw | Easier than hand-held hack saw |
| Circle cutter | Best way to cut circles out of glass |
| Came bender | Best way to bend zinc came for circular panels |
| Zinc rebar bender | Best way to make bends in flat rebar |
| Water cooled grinding wheel | Needed to shape rebar |

| | |
|---|---|
| Water cooled bevel grinder (flat wheel) | Best way to grind flat pieces of glass |
| Morton glass cutting system | Best way to measure and make straight cuts on glass |
| Running pliers | Great help in cutting glass |
| 200-watt soldering iron | For zinc rebar |
| Glass file (Hand-held) | Easy way to remove burrs from glass |
| Lead stretcher | Helps to straighten lead before use |
| | |
| Chemicals | |
| Whiting | Use to make grout and clean panels |
| Grout | Purchase, or make your own: Whiting, linseed oil, and lamp black) |
| Copper colored and black patina | Helps to color and protect zinc and copper |
| Cutting oil | Needed for glass cutters |
| Light oil for water cooled grinders | Needed to cool glass grinders |
| | |
| Types of glass | |
| Cathedral | Transparent |
| Opalescent | Translucent-Transmits light |
| | |
| Baroque | |
| Clear | |
| Mouth-blown antique | |
| German new antique (not mouth blown) | |
| Hammer | |
| Iridized | |
| Seedy | |
| Textured | |
| Slab (<i>Dalles de Vere</i>) | Cut with hammer and chisel |
| Glue chip | |
| Reamy | |
| Confetti glass | |
| Dichroic | |
| Flashed | Use with sand blaster |
| | |
| Bevels (Stock or custom made) | |
| Gems, blobs, rondels | |
| | |
| Rolled glass manufacturers | |
| Armstrong | |
| Wissmach | |
| Spectrum | |
| Kokomo | |
| Youghiogheny | |

| | |
|--|--|
| Pilkington St. Gobian | |
| Oceana | |
| Uroboros | |
| | |
| Mouth blown antique manufacturers | |
| Lamberts (Germany) | |
| Verrerie de Saint-Just (France) | |
| Blenko (Huntington, WV) | |
| Chroma (Poland) | |



METAL CAME PROFILES



Lead Came Profiles

