

Materials and Equipment

Instructor Name: Lauren Kalman - Mold Making

Workshop materials are part of the total cost of your workshop and are paid by the student at the time of registration. Therefore, it is important that you provide an accurate list of all the supplies you will need.

Please consider carefully all the tools and materials you will need to successfully complete your workshop. Provide as much detail as possible (see example.) You may also assemble tool/material kits to bring or ship to Pocosin Arts and we will reimburse you. Please call Michelle Clower at 252.796.2787 with any questions.

Pocosin Arts does not have a supply store so it is important to be thorough. Providing the supplier name and exact item number assure that we purchase exactly what you need.

| Specify Quantity per Student/ Studio | Item/Tool/ Material | Supplier/ Website/ & Item Number | Select One of the Following: | | |
|--|---|---|--|--------------------|--------------------|
| | | | I will bring & Pocosin will Reimburse me | Pocosin will Order | Student will bring |
| Option A 1 bag WITH 1lb | USG Hydrocal FGR-95 50lb Bag WITH Chopped Fiberglass (for thin, therefore lighter weight, very strong molds) | https://shop.sculpt.com/usg-hydrocal-fgr-95-50lb-bag.html \$39.99 https://shop.sculpt.com/a-r-chopped-fiberglass-1lb.html \$10 | | | X |
| Option B 1 bag WITH 1 roll | No1 Moulding Plaster WITH Burlap (less expensive, less strong than Hydrocal so molds are thicker and heavier, BUT a GREAT material to have on hand, useful or other mold prep and necessary for storing your molds, so I would get some to have on hand! I will use this for preparing the brush mold) | (you should be able to find this locally at construction suppliers) I also did a quick google search: https://www.bestmaterials.com/detail.aspx?ID=25630&gclid=Cj0KCQiAifz-BRDjARIsAEElyGlmBNRhH-1vxuKKRe3lQc6J8mFla6lzUErQA117-oy1bRWW2tfZ9rEaAp67EALw_wcB Burlap https://www.acehardware.com/departments/lawn-and-garden/landscaping/landscape-fabrics/7002173 \$15 | | | X |
| Option C ~5 rolls | Plaster Bandage | Plaster Bandage 4" or 6" (for quick and easy mother molds, more expensive, need to build up many layers for strength https://www.reynoldsam.com/product/gypsona-plaster-bandages/ I buy by the case for body casting, but I would say ~5 rolls would work for this workshop, depending on the size of your molds. \$3.50 each | | | |
| ~10 parts or 1 box | 1/4" 2.5-3" bolts with corresponding washers and wingnuts | https://www.acehardware.com/departments/hardware/nuts-and-bolts/hex-bolts/57006 \$18 | | | |

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| | | https://www.acehardware.com/departments/hardware/nuts-and-bolts/nuts/51965 \$16 https://www.acehardware.com/departments/hardware/nuts-and-bolts/washers/5014717 \$4.19 I have quoted to order boxes online, but you can buy single parts at a hardware store | | | |
| 1 | 1/4" masonry drill bit | https://www.acehardware.com/departments/tools/power-tool-accessories/drill-bits/2068229 \$5 | | | |
| 1 roll | Aluminum flashing | https://www.acehardware.com/departments/building-supplies/roofs-and-gutters/roof-flashings/5172085 \$5 | | | |
| 1 | Surform | Surform https://www.acehardware.com/departments/tools/hand-tools/planes/2422376 or https://www.acehardware.com/departments/tools/hand-tools/planes/2422335 \$10 | | | |
| 2-3 each | 2.5 Quart, 1 Quart, Pint mixing buckets, plastic cups (large plastic cups will work too for smaller molds) | https://www.acehardware.com/departments/paint-and-supplies/painting-tools-and-supplies/paint-pails/13973 https://www.acehardware.com/departments/paint-and-supplies/painting-tools-and-supplies/paint-pails/13972 https://www.acehardware.com/departments/paint-and-supplies/painting-tools-and-supplies/paint-pails/1422443 | | | |
| 5-10 | Paint stir sticks (for mixing rubber) | | | | |
| 1 box | Tongue depressors (for mixing and applying rubber) | | | | |
| 1 | Optional: Vacuum Chamber (I do not use a vacuum, but it is recommended by the rubber manufacturer) | Something like: https://www.ebay.com/itm/3-Gallon-Vacuum-Chamber-De-gassing-Silicone-3CFM-Single-Stage-Pump-Air-AC-Kit/113213240146?hash=item1a5c08f352:g:g9YAAOSwlh1czopc \$120-\$180 | | | |
| 1 | Power Drill | Hardware store | | | |
| 1 | High temperature hot glue gun and glue sticks | Hardware store | | | |

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| 1 box | Nitril gloves | Hardware store | | | |
| 1 | Long sleeve shirt | | | | |
| | Not a tool, but: Air flow (SmoothOn recommends room sized space) | | | | |
| 1 | Safety glasses | Hardware store | | | |
| 1 | Dust mask (for plaster) | Hardware store | | | |
| 1 bag | Clay (stoneware or any other wet clay, this will be junk clay for mold building once used) 4-25 lbs depending on the size of your molds \$10-40 (if you can find a local supplier it will likely be less expensive (I use Rovin Ceramics in Ann Arbor MI | https://rovinceramics.com/collections/white-moist-clay/products/ro-10-grey-stoneware | | | |
| 1 | Melamine boards to work on size varies ~12x12" | Hardware store | | | |
| 1 set | Cottle boards (you can make your own or buy premade. I use melamine or spar urethane coated plywood to make mine) A few dollars to \$50 depending on whether you make or buy them | Clay King http://www.clay-king.com/slip-casting/cottle-boards.html | | | |
| 1 | Shears for cutting aluminum flashing | Hardware store | | | |
| 1 | Gram scale or tiple beam balance \$60 for tiple beam | (look for used ones on at places like Ebay or Craigslist for less!) | | | |
| See note 1-2 trial size or 1 gallon | Moldmax 30. Trial unit will work if you keep your molds very tiny. (gold -ball baseball-sized object) if you are committed to making larger/many molds then go with 1 gallon or 2 trial sizes. | These produces you can get from Smooth-On or Reynolds Advanced Materials (or a local supplier of you have one) https://shop.smooth-on.com/mold-max-30 \$27.25 for trial size | | | |
| 1 can | Ease Release™ 200 | These produces you can get from Smooth-On or Reynolds Advanced Materials (or a local supplier of you have one) https://shop.smooth-on.com/ease-release-200 \$14.28 | | | |
| 1 Oz | THI-VEX™ 1Oz | These produces you can get from Smooth-On or Reynolds Advanced Materials (or a local supplier of you have one) | | | |

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| | | https://shop.smooth-on.com/thi-vex \$3.30 | | | |
| 2 Oz | Fast Cat™ 30 2OZ | These products you can get from Smooth-On or Reynolds Advanced Materials (or a local supplier of you have one) https://shop.smooth-on.com/fast-cat-30 \$9.19 | | | |
| 1 | Metal putty knife or scraper | Hardware store | | | |
| 1 | Rubber mallet or hammer | Hardware store | | | |
| 1 | Exacto knife with extra blades | Hardware store | | | |
| 1 | Clear acrylic lacquer spray (spray paint) (shellac is an option, but may react with some rubbers) (Smooth-On also makes a sealant called SuperSeal) | Hardware store for spray paint or shellac Or Smooth-On for SuperSeal https://shop.smooth-on.com/superseal | | | |