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THE SOURCE FOR THE PAPER ARTS

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POLYADAM POLYMER 89

P89 is an acrylic polymer in emulsion form which can be added externally to paper and cloth or internally to pulp and other fibers. Used in sheet forming, sculpting and casting. The overall effect is to protect and add rigidity to the finished product. P89 can be applied to either wet or dry surfaces to increase water resistance. The stiffening effect of P89 makes it possible to carve the paper surface. When used for internally casting, the polyadam polymer aids in the registration of small details.

Procedure:

Method # 1: Polyadam 89 can be brushed or sprayed directly onto the finished paper sheets. For a plastic, shiney effect brush the P-89 on dry sheets. Pay attention to thickness of application. Be aware that the medium may hold the texture of the brush strokes. For a more matte effect, wet the paper first and then lightly apply P-89 with a brush or sponge. Wetted sheets with a light application of P-89 will hold a shape or form. P-89 protects against water most effectively when used on dry sheets as a coating.

Method #2: Drain as much water as possible from your prepared pulp and add P89. The more you add, the stiffer the dried piece will be.

Method #3: Soak shredded material (pulp) in P89 to soften it, then mix in a blender or Whiz Mixer. Drain the resulting pulp well, and save the remaining P89 for future use. The drained pulp should now have the consistency desired for placing into molds or onto objects.

Amounts and proportions vary according to your personal preference. More polymer will result in more plastic-like characteristics, while less will result in added strength yet maintaining more of the paper's consistency. Subsequent batches will adhere well, be it minutes or weeks later. If the previous layer is dry, paint or spray it with P89 adding the new batch after this. This product lends itself exceptionally well to sculptural experimentation. It adds body to fabrics, so you may want to try combining fabrics with your pulps.

Casting:

Molds (negative forms), or objects/armatures (positive forms), if porous like plaster, wood, or clay, should be dry and well sealed. Apply several coats of shellac, urethane, or acrylic and then wax with Johnson's Wax. Use a paintable spray release such as Polyester Par Film, or objects can be covered with plastic film to facilitate removal.

Drying or Curing:

It is vital that the castings be thoroughly dry before removal from molds or objects/armatures. Several days of drying time are required for thin layers of pulp; up to a week for thick layers.

Make Paper, Make Art™

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Reinforcement:

Fabric reinforcement such as cheesecloth, burlap, or fiberglass can be patted into wet pulp, or added at a later time, as can additional layers of pulp.

Adding Color:

Pigments can be mixed into P-89 when applied to the surface or can be added to the pulp as you normally would. Water based paint such as acrylics can be easily brushed on over the dry P-89.

Storage:

Keep from freezing. Do not store P89 in a copper or steel container. Use polyethylene, other plastic, or glass.

Safety Concerns:

May cause skin or eye irritation. Rubber gloves and splash goggles are recommended. In case of eye contact or skin reaction, wash copiously with water for 15 minutes and call a physician. Use with adequate ventilation, otherwise a NIOSH respirator approved for vapors is recommended. In case of inhalation problems, remove person to fresh air. In case of accidental ingestion, induce vomiting and call a physician. May create a slip hazard if spilled. Mop up or absorb on inert material and place into containers. Will leave a film upon drying.

Warranty information Please read for your protection:

All information and suggestions in this product handout are only the opinion of Lee S. McDonald Inc. Since each artist has their own personal technique, and other numerous factors are involved, we cannot guarantee that the products will perform to each individual's satisfaction. Testing of our products should be undertaken by the consumer to determine whether the product meets the intended needs. The user is responsible for final determination of suitability. Lee S. McDonald Inc. makes no warranty of any kind, express or implied, other than that the material conforms to its applicable current Standard Specifications. The responsibility of Lee S. McDonald Inc. for claims arising out of breach of warranty, negligence, strict liability, or otherwise, is limited to the purchase price of the material or product. We cannot be liable for the occurrence of incidental or consequential damages.

***For more health information contact the 24-hour safety line:#1-800-535-5053 or your local poison control center.**

Data safety sheets on this product are on file; a set of data safety sheets for the products we sell is available for \$20.00. For more information on art hazards and safety, consult the Center for Occupational Hazards, 5 Beekman St. New York, NY 10038.

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