

## Materials List

**Anodized Aluminum Pipe** is a low-density material that is ductile, exhibits moderate strength, and is very resistant to corrosion under most circumstances. Anodizing is an electrolytic passivation process used to increase the thickness of the natural oxide layer of the surface. This increases corrosion and wear resistance.

Nashua 322 **Aluminum Foil Tape** is ideal for sealing wood to insulate against moisture and vapors. It has a high tack formula for excellent adhesion. The soft foil backing is extremely conformable to irregular surfaces. <http://www.homedepot.com/>

Closed-cell Polyethylene **Backer Rod** is a rounded tubular-shaped or extruded pipe foam.

**Crepeline** is a loosely woven, 100% silk organdy imported from France. <http://talasonline.com/>

**Coroplast** is a brand name for corrugated plastic by Coroplast, Inc. Similar products around the world are known as Corflute or Corex.

**Ethafoam** is a medium density, open or closed-cell polyethylene foam that is strong, resilient and flexible. It is simple to cut into suitable shapes and can handle repeated shocks and impacts.

**FomeCor** is a mounting board constructed with extruded polystyrene foam core with acid-free paper on both faces.

**Fosshape** is an Oddy passed specially engineered polyester material that is similar to a thick felt in a raw state. The product, when applied with wet or dry heat, shrinks about 25% and can be easily shaped over a form; it retains its shape once cooled, making it ideal for low-cost costume mounts. Fosshape is durable for indoor or outdoor use, extremely lightweight and even breathable. It saves valuable time and labor during the construction process, since no messy additives or drying/setup time required. <http://www.universityproducts.com>

**Glassine** is a very thin and smooth paper that is air and water-resistant made by a process called supercalendering. Super calendaring is a process where paper web is passed through a stack of alternating steel and fabric-covered rolls that buffs the paper creating the luster and enamel-like finish. <http://talasonline.com>

**Mylar®** is a brand name for biaxially-oriented polyethylene terephthalate (boPET) by DuPont. It is a polyester film made from stretched PET and is used for its chemical and dimensional stability, transparency, high tensile strength, reflectivity, and gas and aroma barrier properties. Several companies manufacture boPET using other trade names such as Melinex, and Hostaphan. [http://www2.dupont.com/Products/en\\_RU/Mylar\\_en.html](http://www2.dupont.com/Products/en_RU/Mylar_en.html)

**Philips-Boyne cotton** is a fine shirting material made of 100% Egyptian cotton. <http://www.philipsboyne.com>

**Plexiglas®** is a trademark name for Poly (methyl methacrylate) (PMMA) by the Rohm and Haas Company. It is a transparent thermoplastic used for its lightweight and shatter-resistant properties as an alternative to glass. It is sometimes referred to as acrylic glass. It is stronger and lighter weight than glass. Plexiglas can be found with non-glare, scratch-resistant and UV filtering finishes. <http://www.plexiglas.com>

**Tyvek®** is a brand name for flash-spun, high-density olefin fiber by DuPont. Olefin is a synthetic fiber made from polyolefin such as polypropylene or polyethylene. Tyvek® is very strong and is difficult to tear but can be cut with scissors or a knife. It is highly breathable but not liquid preable. The fibers are strong, colorfast and comfortable; it is resistance to staining, mildew, abrasion and sunlight.

**Tycore** is a mounting board constructed with a honeycomb-shaped paper core supports with acid-free, lignin-free, buffered sheets on both faces to an approximate pH of 8.0. The adhesive used throughout the layering is a polyvinyl acetate (PVA).

Tycore is the most dimensionally stable of any lightweight, fiber-based board. It is produced in approximately 1.25 cm thickness and can be easily cut with a band saw, a bench saw with fine tooth blades or a sharp knife. <http://talasonline.com/>

**Volara®** is a brand name for a fine, closed-celled, cross-linked polyethylene foam by Voltek®. It has a smaller cell structure with extremely soft smooth, nonabrasive and pliable surface.

<http://www.sekisuivoltek.com/products/volara.php>

## **Short List of Suppliers:**

Archivart

<http://www.archivart.com/>

Boards, Papers and Tissues, Storage tubes and boxes

Benchmark Catalog-

<http://www.benchmarkcatalog.com>

muslin, flannel

Conservation Support Systems

<http://www.conservationsupportsystems.com/>

Glassine, tissue and ect.

Gaylord

<http://www.gaylord.com/>

Archival products for conservation and storage

Masterpak

<http://www.masterpak-usa.com>

Glassine, Tissue, tyvek and tyvek tape, volara, ethafoam

McMaster-Car

<http://www.mcmaster.com/>

Pipe Insulation/backer-rod (for Kimono arms), General hardware

Oriental Silk Imports

<http://www.orientalsilk.com/>

Philips-Boyne Corporation

<http://www.philipsboyne.com>

Cotton for pin mounts

Talas

<http://talasonline.com/>

Cotton "tape", Blue board, blue pipe, storage boxes

University Products

<http://www.universityproducts.com/>

archival papers, tissue, blue board and etc.