

# **DUX**Paint

**A World of Color.**



## **DUX ACRYLIC TOPCOAT**

**DUX ACRYLIC TOPCOAT** for gilding, artwork, hobby & graphic arts use is a non-reactive premium water clear vehicle composed of acrylic copolymers with outstanding characteristics. Its viscosity allows application by brush or spray over gilders leaf requiring protection from abrasion, water, ultra-violet and chemical resistance. It is not intended for use as an architectural coating.

### **DIRECTIONS FOR USE:**

#### **GILDING:**

Generally real gold leaf need not be protected from the elements unless it may be subject to abrasion, handling, etc. Due to the fact that all leaf is extremely thin, it contains many microscopic interstices (holes), and topcoats containing solvents can cause the solvent to penetrate through these microscopic openings and cause the size to bubble or breakdown. It is recommended that the gilder wait the prescribed number of days for each type of size prior to over-coating gold or other metal leaf.

With silver leaf however, the gilder should use the **DUX QUICK DRY** size and protect with the **ACRYLIC TOPCOAT** within 1-2 days after gilding in order to prevent the silver leaf from oxidizing or discoloring before sealing. Insure that the topcoat completely covers the leaf as well as sealing all edges. Other gilding leaf utilizing **QUICK DRY** size can be protected within 1-2 days. **DUX SLOW OIL SIZE** can be sealed in 3-4 days.

It is best that the gilder test a small area or similar substrate to insure that the size has dried sufficiently as temperature, humidity and size thickness play a part in effecting a complete dry.

#### **APPLICATION:**

Surface preparation is important to the durability and integrity of the finish. All surfaces must be clean, dry and free from contaminants such as oils, waxes, dust and fingerprints.

The **ACRYLIC TOPCOAT** can be brushed or sprayed onto a properly prepared and completed surface. In as much as the topcoat may appear uniform in appearance, it should be stirred thoroughly. Stir slowly to prevent entrapment of air and thereby creating bubbles when applied. Ideal conditions for application is that the topcoat should be applied at 65 to 75 degrees Fahrenheit and 40 to 60 degrees of relative humidity. Differing conditions can compromise film integrity. The topcoat should be applied at packaged consistency. If thinning is required, use Mineral Spirits sparingly. If **BRUSHING**, use a high grade, soft, natural bristle brush. **SPRAYING**, is a function of the gilder's equipment and technique. Insure that a sufficient level lay-down is accomplished. Viscosity, atomization and technique are paramount for a proper film coverage. Generally an airless or HLVP sprayer permits a more controlled level film. Use a misting motion and prevent puddling in crevices. Allow to dry 4 hours prior to applying a 2<sup>nd</sup> or 3<sup>rd</sup> coat. Dry time is 1 to 3 hours depending upon temperature, humidity and film thickness. Hard cure is attained after 10 to 12 hours or overnight. For cleanup use lacquer thinner or naphtha.

One can assume that the coverage for the topcoat on a properly sealed and prepared surface is approximately 143 square feet per gallon at a nominal brushed thickness of 2 mils.

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