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## TECHNICAL DATA SHEET

### Alumi-UV & Amazing UV Resin

Alumi-UV is a single-component, semi-flexible, and highly durable crystal-clear doming and coating resin. Cured with UV or black light, it creates a high-gloss finish on various surfaces, including paper, plastic, wood, and metal. Its medium viscosity allows for smooth application, even on uneven or asymmetrical shapes. Multiple coats can be applied to achieve a thicker, more protective layer. This one-part system remains shelf-stable when stored between 55 and 80°F.

#### PRODUCT SPECIFICATIONS

Mix Ratio	1:1 by volume
Mixed Viscosity	1800 cps
Full Cure Time	2-6 minutes
Hardness	75-80D
Light Source	300W/in, 365nm wavelength
Shelf Life	1 year
Color	Clear

**BEFORE USE:** Thoroughly read Safety Data Sheets, product labels  
and the “SAFETY” section in this Technical Data Sheet.



## BEFORE YOU BEGIN

**Work Environment:** The ideal working temperature is around 65-75°F in a clean, dry, dust-free environment. Avoid working in high humidity. If you are pouring in large volumes of 2 or more gallons, we suggest keeping room temperature closer to 65°F. We highly recommend keeping fans on your project to help dissipate heat.

**Coverage:** You can use the coverage calculator on our website to determine the volume of mixed resin that you will need before you begin your project. Please remember, this is not an exact science, as each project is different and each substrate will absorb the epoxy differently. As the product fills the cracks and crevices in your mold, the level may drop. Be prepared to add more epoxy as needed. The calculator does not take into account embedded objects. It is always best to have more than enough material on hand to ensure completion of your project.

**Materials:** Be prepared with all necessary materials and tools before beginning your project.

- Powders & dyes
- Stir-sticks
- Utensils to shape material
- Molds for artistic creation
- Misc. handling tools – scissors, pliers, a drill or Dremel tool, heat gun, blow torch, etc.

## PREPARATION

Before using Alumi-UV, ensure your piece is clean and free of oils. For porous materials such as photographs or paper, seal them with Mod Podge, Elmer's Glue, or another suitable sealer to prevent absorption. Make sure laminated pieces are pressed tightly and flush with the surface to avoid trapped air. Once the sealer is completely dry, apply Alumi-UV, taking care to minimize air bubbles during application. Any trapped bubbles that do not escape may create blemishes as the resin cures.

## STORAGE & HANDLING

Store Alumi-UV between 55 and 80°F in a dry area, avoiding extreme temperatures and moisture. If the material freezes, it will gel; to restore its original viscosity, place the container in a bath of hot tap water, replacing the water as needed until the resin thins back down. Do not microwave. Before use, read the MSDS for safety guidelines.

## SAFETY

**Safety:** Before use, thoroughly read Safety Data Sheets and product labels. Follow safety precautions and directions.



- Wear gloves
- Safety glasses
- Protect clothing with a work smock or other outer garment
- For cleaning surfaces, containers – use Acetone, rubbing alcohol or nail polish remover
- When stored separately, epoxy & hardener have long shelf lives – store in a cool dry area in tightly sealed containers

**WARNING: THE CURE REACTION IS EXOTHERMIC. Do not apply in thicknesses greater than the recommended maximum application thickness for the product.**

**DISCLAIMER:** The information contained herein is considered accurate; however, Alumilite makes no warranty regarding its accuracy. The user must determine the suitability of the product for the intended use and accepts all risk and liability associated with that use.