Alumi-UV
High Impact UV Dome Coating

Product Description:
Alumi-UV is a single component, semi-flexible, extremely durable, crystal clear doming and coating resin. Once cured with UV or black light, it produces a high gloss coating on paper, plastic, wood, metal, and more. Alumi-UV has a medium viscosity which is great for covering items and applying even coating to unsymmetrical shaped items. Multiple coats can be applied to build coating thickness. This one part system is shelf stable when stored between 55 and 80 degrees F.

Physical Properties:

Color	Clear
Mixed Viscosity (cps)	1,800
Shore Hardness D	75-80
Specific Gravity	1.05
Shrinkage (in/in)	NIL

General Properties:

Mix Ratio	1 part
Shelf Life	1 year

Light Source   **Typical Cure Times**

300 Watt/in UV curing lights – 365nm wavelength   2-3 seconds
(See attached options for light sources)

Packaging: **Approximate Volume:**

.25 lb	4 fl oz
2 lbs	32 fl oz
8 lbs	1 gallon

Preparation:
Prior to using Alumi-UV, be sure your piece is clean and free of any oils. Once clean and dry, seal any photographs, paper, or other porous material with Modge Podge, Elmers Glue, or any other type of sealer that will laminate and seal. Be sure laminated pieces are pressed down tightly and flush with the surface to avoid trapped air. Once the sealer is completely dry, coat your piece with Alumi-UV. Try to avoid introducing air into the coating during application. Bubbles that do not escape may cause blemishes as it cures.

Storage and Handling:
Store between 55 and 80 degrees F in a dry area. Avoid extreme temps and moisture. If material freezes, it will gel. Simply warm material back up by setting container in a bath of hot tap water to return it to its original viscosity. Change out tap water as needed to keep hot until Alumi-UV thins back down. Do not microwave. Read MSDS before using.

365nm Ultraviolet Light Sources & Accessories

Alumilite UV-Light
https://www.makelure.com/uv-light-for-curing-alumi-uv.aspx

UV Safety Glasses
https://www.makelure.com/uv-protective-eye-glasses.aspx

Solarcure Bulbs and power components:
http://www.solacure.com/sg120.html
36watt (4x 9watt bulbs) Fingernail polish UV cure lamp fixture ($30-$25):
http://www.amazon.com/Salon-Edge-Acrylic-CURING-Drying/dp/B006QO4BRM/ref=sr_1_1?ie=UTF8&qid=1422911582&sr=8-1&keywords=36w+uv&pebp=1422911571287&peasin=B006QO4BRM
365nm 100 watt 48"
http://www.solacure.com/bulbs1.html
GE 10531 - 40 watt 48", T12, Fluorescent Light Bulb (F40BLB) ($15):
http://www.amazon.com/GE-10531-Fluorescent-Black-F40BLB/dp/B000FBK50O

GE 40537 - 40 Watt 24", T12, U Bend Fluorescent Light Bulb (F40T12/BLB) ($15):
http://www.amazon.com/GE-40537-F40T12-Fluorescent-Black/dp/B000V5YBTK

GE 35884 - 15 watt 18", T8, Fluorescent Light Bulb (F15T8/BL) ($10):
http://www.amazon.com/GE-35884-F15T8-Fluorescent-Black/dp/B00FZQ9HY4/ref=sr_1_2?s=hi&ie=UTF8&qid=1429026001&sr=1-2&keywords=35884

AgroMax 4ft T5 UV-A Plus Bulbs ($8.95)

http://www.htgsupply.com/Product-AgroMax-4ft-T5-UVA-Bulbs#

AgroMax T5 Fixture

http://www.htgsupply.com/Product-HTG-Refurbished-T5

12v 12rpm Geared Motor:
http://www.amazon.com/JAMEC   RO-GH27GM-HN-GH12-1045Y-R-MOTOR/dp/B00B88CM8G/ref=sr_1_1?ie=UTF8&qid=1429546041&sr=8-1&keywords=hn-gh12-1045y

12v Speed Controller, 2amp ($7):
http://www.amazon.com/Generic-Volta   -Speed-Controller/dp/B00N30UK2M/ref=sr_1_   strial&ie=UTF8&qid=1429546656&sr=1-4&keywords=dc+pwm+motor+speed+controller

12v Speed Controller, 30amp ($25):
http://store.qkits.com/moreinfo.cfm/M

12v, 2amp Power Supply ($7):
http://www.amazon.com/BINZET-Ad   ulated-Supply-Copper/dp/B00PJZQDDO/ref=sr_1_1?s=industrial&ie=UTF8&qid=1429547042&sr=1-1&keywords=12v+power+adapter