Allureglow USA

Don't be left in the dark

TECHNICAL DATA SHEET

For All Allureglow USA AA Series Paints

This technical data sheet is provided to give a view of the range of Allureglow USA AA Series Paint Products. This data although current at time of printing, it is advisable to check with the manufacturer to ascertain if information is current at time of reading.

PRODUCTS COVERED:

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The Allureglow USA AA Series of Paints have been developed to meet the most stringent regulations regarding volatile organic compounds (VOC's). All Allureglow USA Paints are based on water borne 100% acrylic emulsions, and as such exhibit exceptional UV resistance and Weatherability.

Allureglow USA AA Series Paints have been developed to possess excellent flexibility and hardness that resists cracking or scratching of the coatings when applied to rigid or non-rigid surfaces.

Allureglow USA AA Series Paints are non-toxic with Low Volatile Organic Compounds and are classed as non-hazardous. Please refer to the relevant MSDS for full details regarding safety and handling.

Surface Preparation

All surfaces to be coated must be clean, dry, and free of any contamination such as dirt or grease. If being applied to concrete, the surface may be damp but not wet (no surface water).

All AA Series Paints must be applied over a properly primed and cured surface, failure to do so may result in poor adhesion and or weatherability. We highly recommend using the AA Series White Primer for this reason.

All AA Series Photoluminescent and Fluorescent Paints must be applied over a White Primed Surface. It is this White Surface, that will give the Maximum Level of Glow Intensity and Color Vibrance. We highly recommend using the AA Series White Primer for this application. Applications to dark surfaces will severely reduce the Glow Intensity and Alter the Finished Color of the Paints.

AA Series White Primer
PRODUCT DESCRIPTION

The AA Series Primer is designed for a variety of substrates and surfaces; however, it is up to the End User to determine if this product is suitable for the given application. Do a test sample and verify.

When applying AA Series Primer to concrete surfaces, ensure that the concrete has been acid washed, rinsed and dried of any surface water before applying the white primer. The white primer may be applied to new concrete surfaces as its unique structure allows the concrete to cure through the primer as well as the luminescent coating. Ensure that the white primer is totally cured prior to applying any Top Coats.

TECHNICAL DATA
AA Series White Primer

Shelf Life (unopened)	**2 Years @ 70°F or 21°C**
Pot Life	**If product is in sealed spray gun pot, then the pot life is the same as the shelf life, however it is recommended that the product only be left in the gun for so long as it takes to perform the application.**
Drying Time	**From 10-30 Minutes (depending on temperature and humidity). Drying may be accelerated by the application of warm air across the coated surface (under 100°F or 40°C)**
Re Coat Time	**2-3 Hours, depending on temperature and humidity. Curing may be accelerated by the application of warm air across the coating surface (under 100°F or 40°C)**
Coverage or Spread Rate	**1 Gallon will cover 250-300 square feet (22-24 square meters)**
Color	**White**
Clean Up	**Use Soap & Warm Water**
CAUTION	**Read the material safety data sheet before using this product. Whilst the product is classified non-hazardous, normal industrial practices should be observed, and the product should be stored and handled appropriately.**

AA Series White Primer
Application

The AA Series White Primer is best Spray Applied using any of the HVLP Sprayers or Conventional Airless Sprayers. The AA Series White Primer exhibits excellent Hide Properties and can be Recoated in as little as 2 Hours. This Paint has Zero Volatile Organic Compounds (VOC's), and cures to a flat matt finish.

AA Series Photoluminescent Paint
PRODUCT DESCRIPTION

The AA Series Photoluminescent Paint is an easily applied coating that exhibits excellent light emitting properties. The coating has Zero Volatile Organic Compounds (VOC's), and cures to a flat matt finish. When cured, Allureglow USA Photoluminescent Coating is flexible, hard, and has excellent resistance to Ultra Violet rays.

For Maximum Abrasion, Chemical Resistance and Coating Durability, cured applications of AA Series Photoluminescent Paint must be coated with AA-1000-CC Clear Top Coat.

AA Series Photoluminescent Paint
TECHNICAL DATA

Shelf Life (unopened)	**2 Years @ 70°F or 21°C**
Pot Life	**If product is in sealed spray gun pot, then the pot life is the same as the shelf life, however it is recommended that the product only be left in the gun for so long as it takes to perform the application.**
Drying Time	**From 10-30 minutes (depending on temperature and humidity). Drying may be accelerated by the application of warm air across the coated surface (under 100°F or 40°C)**
Full Curing Time	**Up to 48 hours, depending on temperature and humidity. Curing may be accelerated by the application of warm air across the coating surface (under 100°F or 40°C)**
Coverage or Spread Rate	**125-150 square feet per Gallon (12-14 square meters)**
Daytime Colors	**A Variety of Standard Colors are available, as well as Custom Colors can be Formulated on a Special Order Basis. See Container label for color.**
Glowing Colors	**Green/Yellow, Aqua**
Clean Up	**Use Warm Water**
CAUTION	**Read the material safety data sheet before using this product. Whilst the product is classified non-hazardous, normal industrial practices should be observed, and the product should be stored and handled appropriately.**

AA Series Photoluminescent Paint
EQUIPMENT, MIXING & APPLICATION

The AA Series Photoluminescent Paints are Waterbased Coatings containing Photoluminescent Pigments, that are designed to be Spray Applied using HVLP (High Volume, Low Pressure) Spray Equipment or Airless Spray Equipment. If you are using the Paints for Floor Marking, Airless Line Sprayers are suitable for this as well.

Note: Use of conventional compressed air spraying equipment (30 to 100 pounds per square inch pressure) will result in premature drying of the paint, which in turn will result in clogging of the spray tip.
DO NOT USE THIS TYPE OF EQUIPMENT

There are several suitable HVLP spray systems commercially available, and all of these operate on approximately 8 to 10 pounds per square inch of air pressure and approximately 10 cubic feet per minute of constant air delivery. The HVLP system that we have tested and has proved very suitable is the Spraytech CS9100 or Titan Capspray Units. These systems have a variety of Spray Tip Sets available, so that the applicator has a variety of choices to suit the speed and finish required for the application. Titan and Graco both have excellent Airless Units for Line Spraying Applications

Thoroughly Mix the AA Series Photoluminescent Paint in the container before use. The AA Series Photoluminescent Paint is designed so that the photoluminescent particles will stay in suspension during transport and storage, but you should always mix well before use. Use a Type 2 Dispersion Blade and High-Speed Mixer to mix the paint.

NOTE: The Paint will thin as it is mixed, however if you find it is to thick or viscous for your Spray Equipment, you can Thin with up to 10% by weight, using Clean Filtered Water.

Always replace the lid securely to the container after use, as a container of the AA Series Photoluminescent Paint left open for long periods will cause partial drying of the product, causing a surface skin to form and possible thickening of the paint, and waste of product.

If any dried residue from the walls of the container are mixed into the Paint, use a fine mesh strainer to filter the contamination before spraying. Wash the strainer in clean water after straining any lumps or foreign impurities from the coating.

Apply the AA Series Photoluminescent Paint to the entire surface to be coated by spraying through the HVLP spray gun. The initial coating should be no more than a thin mist coat. Allow this coat to fully touch dry before applying further coats. The time for drying of this coat should be between 10 and 30 minutes depending on the ambient temperature and humidity. Drying times may be accelerated by the use of a warm airflow across the wet coating, but below 100 degrees Fahrenheit or approximately 40 degrees Celsius.

Apply subsequent coats of AA Series Photoluminescent Paint, allowing enough drying between coats.

AA Series Photoluminescent Paint will reduce in thickness approximately 40% to 50% during the curing process. The recommended cured coating thickness to deliver the optimum light emission is between 10 and 12 mils. To achieve this cured coating thickness will require the application of 2 or 3 coats of Allureglow USA Photoluminescent Paint, dependent on the spray tip chosen.

When Spraying through Airless Line Sprayers, apply the Allureglow USA Photoluminescent Paint over White in two to three coats. The Allureglow USA Photoluminescent Paint is very viscous and thins under shear or pressure. You will have to make minor pressure and spray adjustments to your equipment, but once adjusted properly, you will be able to achieve a nice clean edge on your stripes.

APPLICATION (CONTINUED)

NOTE: Excessive single wet coating thickness may result in a fish eyeing on the surface due to spot slumping of the wet coating and premature cracking.

When the required coating thickness has been achieved, allow the AA Series Photoluminescent Paint to fully cure to achieve maximum hardness and flexibility. This may take up to 24 hours depending on temperature and humidity. The coated surface should be sufficiently dry to handle within a few hours of the final coat.

When the coating process has been completed, empty the remaining contents of the spray pot into the paint container, and clean the gun, hoses and pumps with soap and warm water, The AA Series Photoluminescent Paint requires thorough flushing to remove all un-used paint. If this is not done, the AA Series Photoluminescent Paint may set in the gun requiring dismantling of the gun and soaking in Acetone to break down the set resin.

After the AA Series Photoluminescent Paint is fully cured; a Top Coat Must be Applied using the AA_1000-CC Clear Top Coat. This will protect the coating from dirt, grease and scratching. The clear coat will also enhance the glow properties of the AA Series Photoluminescent Paint.

Note on Paint Colors: AA Series Photoluminescent Paint Colors will always appear lighter when they are in a liquid state. Paint colors will always darken after they are fully cured. It is up to the user to determine if the color is the correct one for the given application.

AA Series UV Activated Paints
Product Description

The AA Series UV Activated Paints are offered in the same AA-Series Formula in the following Colors: Red, Pink, Orange, Purple, White, Green, Blue and Yellow. These Paints must be applied over a White Primed Surface using our AA-1000-WP and depending on the intensity of the color desired 2-3 Coats is usually sufficient. The UV Activated Paints are an Off-White Color in Normal Light and will fluoresce the Color chosen when exposed to UV/Blacklight.

AA Series UV Activated Paints
Technical Data

Shelf Life (unopened)	**2 Years @ 70°F or 21°C**
Pot Life	**If product is in sealed spray gun pot, then the pot life is the same as the shelf life, however it is recommended that the product only be left in the gun for so long as it takes to perform the application.**
Application	**Airless, HVLP Spray, Brush Or Roll.**

Drying Time	**From 20-30 minutes (depending on temperature and humidity). Drying may be accelerated by the application of warm air across the coated surface (under 100°F or 40°C)**

Tech Data (CONTINUED)

Curing Time	**Up to 24 hours, depending on temperature and humidity. Curing may be accelerated by the application of warm air across the coating surface (under 100°F or 40°C)**
Coverage or Spread Rate	**200-250 square feet per Gallon (18-23 square meters)**
Daytime Color	**Off White**
Emitting Color	**Red, Pink, Orange, Purple, White, Green, Blue and Yellow**
Clean Up	**Use Warm Water**
CAUTION	**Read the material safety data sheet before using this product. Whilst the product is classified non-hazardous, normal industrial practices should be observed, and the product should be stored and handled appropriately.**

AA Series UV Activated Paints
Application

The AA Series UV Activated Paints must be mixed with a High-Speed Mixer or Drill with a Type 2 Dispersion Blade for e minimum of 5 Minutes. *Mixing by hand is not sufficient*. Bypassing this step may result in uneven emitting color.

Apply 2-3 Coats of the Allureglow USA UV Activated Paint Using an Airless Sprayer, HVLP Sprayer, Brush Or Roller, allowing sufficient time for the paint to dry between coats Once the Paint is dry, verify your color by placing a UV/Blacklight over the surface that was painted. If you have applied to lite of a coating, you may not achieve the color you desire, apply additional coats until you achieve the color desired.

When the coating process has been completed, empty the remaining contents of the spray pot into the Allureglow USA container, and clean the gun, hoses and pumps with warm water, The Allureglow USA Photoluminescent Paint requires thorough flushing to remove all un-used paint. If this is not done, the Allureglow USA Photoluminescent Paint may set in the gun requiring dismantling of the gun and soaking in Acetone to break down the set resin.

After the Allureglow USA UV Activated Paint is fully cured; the coating should be protected by the application of AA-1000-CC Clear Coat. This will protect the coating from dirt, grease and scratching.

Note on Paint Colors: Allureglow USA Paint colors will always appear lighter when they are in a liquid state. Paint colors will always darken after they are fully cured. It is up to the user to determine if the color is the correct one for their application.

AA Series Reflective Paints
Product Description

The AA Series Reflective Paints are available in two different types, Clear/Transparent or Silver/Grey Coated (Specify when ordering). Both Require the use of the AG-CLA-100 Additive Simply Mix the additive in the AA Series Reflective Paint their ready to Spray. Both the AA Series Reflective Paints utilize the Highest Refractive Index Glass Beads available in the Market Place Today, giving it Super High Reflectivity. *Note: The Silver/Grey Coated version has substantially higher reflectivity over the Clear/Transparent version.* The AA Series Reflective Paints are considered a Low VOC Product. This Product can be used in conjunction with the AA Series Photoluminescent Paints to give the recipient the best of both worlds, Glow in the Dark and Reflectivity.

AA Series Reflective Paints
Technical Data

Shelf Life (unopened)	**2 Years @ 70°F or 21°C**
Pot Life	**Once the AG-CLA-100 has been added you have 24 Hours to Use**
Application	**HVLP or Airless Sprayers Only, *Do Not Brush, Roll or Use Any Other Type of Equipment*.**
Drying Time	**From 20-30 minutes (depending on temperature and humidity). Drying may be accelerated by the application of warm air across the coated surface (under 100°F or 40°C)**
Full Curing Time	**72 hours, depending on temperature and humidity. Curing may be accelerated by the application of warm air across the coating surface (under 100°F or 40°C)**
Coverage or Spread Rate	**200-250 square feet per Gallon (18-23 square meters)**
Daytime Color	**Color Dependent**
Reflecting Color	**White**
Clean Up	**Use Warm Water**
CAUTION	**Read the material safety data sheet before using this product. Whilst the product is classified non-hazardous, normal industrial practices should be observed, and the product should be stored and handled appropriately.**

Allureglow USA AA Series Reflective Paints
Application

The AA Series Reflective Paint & AG-CLA-100 must be mixed with a High-Speed Mixer or Drill for e minimum of 5 Minutes. *Mixing by hand is not sufficient*. Bypassing this step will result in poor or no reflectivity.

The AA Series Reflective Paints must be applied using HVLP Equipment with a #3 or 1.3mm tip, Low Pressure and Low Material Volume Gun Settings.

The most important thing about the application of the AA Series Reflective Paints is that you must remember the following: "Less is More" What we mean is, you only want to apply just enough paint to get the Reflective Beads to bond to the substrate, should be between a minimum of 1 mil to no more than 2 mils wet. Applying to thick of a coat will result in zero reflectivity. It's easier to start light and add if you test and find a bare spot.

You will want to stand at least 3 Feet Back from the Substrate you are Spraying and as you are misting the Paint on, twist your wrist back and forth, this will aid in getting more even coverage. Allow the Coats to dry for 15 to 20 minutes Prior to Testing the Reflectivity.

Apply an additional Mist Coat to any areas you do not have good coverage or reflectivity, allow to dry and re-test.

Do Not Top Coat the AA Series Reflective Paints, doing so will cause you to lose Reflectivity.

Clean Up with Water.

When determining if Allureglow USA Reflective Paints are suitable for your intended application, you will need to view the product using the following method:

Stand back from the object you have painted, approximately 10 Feet. Standing straight in front 10 Feet away and using a fully charged flashlight, place the up between your eyes and move the flashlight back and forth slightly, you will see the light bounce back (reflecting back) at you. It is best to do this when there is no direct sunlight on the object or when it is dark.

Allureglow USA Reflective Products have been developed to give maximum levels of reflectivity.

Allureglow USA makes no representation as to the suitability of any given products; it is up to the Buyer or End User to determine if the Allureglow USA Product is suitable for the given application.

AA Series Fluorescent Blacklight Paints
Product Description

AA Series Fluorescent Blacklight Paints are offered in the same AA-Series Formula in the following Colors: Red, Pink, Orange, Violet, Magenta, Green, Blue and Yellow. These Paints must be applied over a White Primed Surface using our AA-1000-WP and depending on the intensity of the color desired 2-3 Coats is usually sufficient. The AA Series Fluorescent Blacklight Paints are for Indoor Use Only, these Paints will fade rapidly when exposed to UV or Sunlight. The AA Series Fluorescent Blacklight Paints will Fluoresce Vivid Colors when exposed to Blacklights.

AA Series Fluorescent Blacklight Paints
Technical Data

Shelf Life (unopened)	**2 Years @ 70°F or 21°C**
Pot Life	**If product is in sealed spray gun pot, then the pot life is the same as the shelf life, however it is recommended that the product only be left in the gun for so long as it takes to perform the application.**

Application	**Airless, HVLP Spray, Brush or Roller.**
Drying Time	**From 20-30 minutes (depending on temperature and humidity). Drying may be accelerated by the application of warm air across the coated surface (under 100°F or 40°C)**
Curing Time	**Up to 24 hours, depending on temperature and humidity. Curing may be accelerated by the application of warm air across the coating surface (under 100°F or 40°C)**
Coverage or Spread Rate	**200-250 square feet per Gallon (18-23 square meters)**
Daytime Color	**Red, Pink, Orange, Violet, Magenta, Green, Blue and Yellow**
Emitting Color	**Red, Pink, Orange, Violet, Magenta, Green, Blue and Yellow**
Clean Up	**Use Warm Water**
CAUTION	**Read the material safety data sheet before using this product. Whilst the product is classified non-hazardous, normal industrial practices should be observed, and the product should be stored and handled appropriately.**

Allureglow USA AA Series Fluorescent Blacklight Paints Application

The AA Series Fluorescent Blacklight Paints must be mixed with a High-Speed Mixer or Drill with a Type 2 Dispersion Blade for e minimum of 5 Minutes. *Mixing by hand is not sufficient*. Bypassing this step may result in uneven color.

Apply 2-3 Coats of the AA Series Fluorescent Blacklight Paints Using an Airless Sprayer, HVLP Sprayer, Brush r Roller, allowing sufficient time for the paint to dry between coats Once the Paint is dry, verify your color by placing a UV/Blacklight over the surface that was painted. If you have applied to lite of a coating, you may not achieve the color you desire, apply additional coats until you achieve the color desired.

When the coating process has been completed, empty the remaining contents of the spray pot into the Allureglow USA container, and clean the gun, hoses and pumps with warm water, The AA Series Fluorescent Blacklight Paint requires thorough flushing to remove all un-used paint. If this is not done, the AA Series Fluorescent Blacklight Paint may set in the gun requiring dismantling of the gun and soaking in Acetone to break down the set resin.

After the Allureglow USA AA Series Fluorescent Blacklight Paint is fully cured; the coating should be protected by Top Coating with the AA-1000-CC Clear Top Coat. This will protect the coating from dirt, grease and scratching.

Note on Paint Colors: Allureglow USA Paint colors will always appear lighter when they are in a liquid state. Paint colors will always darken after they are fully cured. It is up to the user to determine if the color is the correct one for their application.

Allureglow USA Clear Top Coat
PRODUCT DESCRIPTION

Allureglow USA Clear Top Coat is a waterborne, self-crosslinking high solids 100% acrylic coating. It exhibits exceptional light clarity when cured and has a high UV resistance and produces a hard but flexible coating for application to Allureglow USA Photoluminescent Coating.

Allureglow USA Clear Top Coat can be used in applications where the coated surface is permanently immersed in water, or in contact with strong solvents, providing that the AG-CLA-100 Additive is used.

Allureglow USA Clear Top Coat may be applied by spray, brush or roller, and should only be applied to fully cured AA Series Paints.

Allureglow USA Clear Top Coat is dispersible in water and water is the recommended cleaning material for spray guns, brushes or rollers.

Allureglow USA Clear Top Coat is classified as non-hazardous; however, the usual good industrial practices should be adhered to when applying, handling or storage of this

TECHNICAL DATA
Allureglow USA Clear Top Coat

Shelf life (unopened)	**2 Years @ 70°F or 21°C**
Pot life	**6-8 hours depending on Temperature**
Drying time	**15-45 minutes depending on temperature. Drying time may be accelerated by passage of warm air (below 100°F or 40°C) across the surface of the clear coat.**
Full Curing time	**72 hours, may be accelerated by passage of warm air (below 100°F or 40°C) across the surface of the top coat.**
Coverage	**250-300 square feet per Gallon (22-24 square meters)**
Color	**Milky white liquid curing to clear solid coating**
CAUTION	**Read the material safety data sheet before using this product. This product is classified non-hazardous, normal industrial practices should be observed, and the product should be stored and handled appropriately.**

APPLICATION AND MIXING
Allureglow USA Clear Top Coat

Allureglow USA Clear Coat may be applied by spray gun, brush or roller.

Mix 2 oz.'s. of AG-CLA-100 to every 1 Gallon of AA-1000 Clear Top Coat and Mix thoroughly for 5 minutes using a High Speed Drill or Drill Press and a Type 2 Dispersion Blade.

If application is by spray gun, use a fine spray nozzle to achieve proper atomization of the coating. Apply one full wet out coat of approximately 2-3 mils wet and allow to dry. As the topcoat dries, it will become clear. If any milky appearance remains in the dry coating, this indicates that the coating may have been too thick but will cure clear. Do not expose the coating to surface abrasion or impact until it is fully cured, usually 48-72 hours depending on Temperature.

For brush or roller applications, use only good quality brushes or paint rollers. Brush or roll in one direction only and allow to touch dry before applying further coats. Allow to dry and cure.

Wash out spray gun, brushes and rollers in clean warm water.