



Allureglow USA

Don't be left in the dark

Allureglow USA **Permanent Stair Marking Products and Procedures** **Product Descriptions**

The Allureglow USA Permanent Stair Marking System is comprised of the AA Series White Primer, AA Series Clear Coat and G9-200-WB Photoluminescent Pigments. This System can even be applied to wet or damp Concrete, without fear of poor adhesion or bonding. Some of their other unique benefits are Fast Drying, Self-Leveling, Chemical Resistance and can be Applied by Spraying, Brushing or Rolling

The G9-200-WB Pigments are a Photoluminescent and Anti-Slip Pigment or Sand all in one product. These Photoluminescent Pigments are the Highest Glow Emitting Pigments in the Marketplace Today. The Pigments are designed to absorb as little as ambient light to charge them and emit more than 30 hours of Afterglow (See Allureglow USA Product Disclosure for Testing Methods)

Permanent Stair Marking System Components

Allureglow USA AA Series 100% Acrylic Waterbased Primer

Allureglow USA AA Series 2 Part 100% Acrylic Waterbased Clear Coat

Allureglow USA G9-200-WB Photoluminescent Pigments

CAUTION: Read the Safety Data Sheet material safety data sheet before using these products. These products are classified non-hazardous, normal industrial practices should be observed, and the product should be stored and handled appropriately.

Surface Preparation

All surfaces to be coated must be clean, dry, and free of any contamination such as dirt, grease or foreign matter. If being applied to concrete, the surface may be damp but not wet (no surface water). Failure to do so will result in poor adhesion and or durability. Pre-painted surfaces should have all loose paint removed and cleaned with Alcohol or Acetone.

Permanent Stair Marking System Products **Application and Mixing Procedure**

STEP 1: Start by Following the previously outlined information regarding Surface Preparation and apply masking tape or masking material to the area that will be coated. Typically, Stairs are marked with 1" Stripe at the leading edge of the stairs.

STEP 2: Apply the AA Series White Primer using an HVLP Sprayer, High Quality Brush or Roller, The AA Series White Primer is Self-Leveling and is designed to fill in pin holes and small voids. Apply enough to get sufficient coverage and hide, usually 3-5 mills wet, Allow the AA Series White Primer to dry for 2 hours prior to the next step.

STEP 3: Mix 2 ounces of the AG-CLA-100 to every 1 Gallon of AA Series Clear Top Coat and Mix Thoroughly using a High-Speed Drill and a Type 2 Dispersion Blade for 5 Minutes and allow to sit for 10-15 minutes prior to using. Apply the AA Series Clear Coat 8-10 mils thick using an HVLP Sprayer, High Quality Roller over the Primed Surface. Remove Any Masking or Stencil used at this point prior to Step 4. This will allow you to vacuum up any loose pigments and re-use them after Step 4. Make sure your Vacuum is Clean Prior to Using, as to not dirty the Pigments.

STEP 4: Take the G9-200-WB Pigments and pour them into a container that will make it easy to broadcast these into the AA Series Clear Coat you just applied. Broadcast enough Pigment to cover all the coating and allow to dry for at least 30 minutes. Vacuum up the excess pigments up using a small Shopvac, that has a clean bag or filter. You will then be able to re-use these excess Pigments. This will keep waste down to a minimum.

STEP 5: Apply Via HVLP Type Sprayer or Similar Sprayer a Heavy Coat of the AA Series Clear Coat. Allow to Dry for 2 Hours prior to walking on the coated surface. This Step Locks in any loose Pigments and adds Additional Chemical and Water resistance. Clean Up of Tools and Equipment can be done with Soap & Water.

STAIR SYSTEM COMPONENT DETAILS

AA Series White Primer **PRODUCT DESCRIPTION**

The AA Series Primer is a Premium 100% Acrylic Primer designed for a variety of substrates and surfaces; however, it is up to the user to determine if this product is suitable for their given application. Do a test sample to verify.

If applying to plastics, ensure that the primer is recommended for application to the particular plastic that is to be coated. Plastics such as Polypropylene and Polyethylene sometimes require special primers that are available and these primers, when correctly applied, create excellent bonding to the plastic surface.

When applying the AA Series Primer to concrete surfaces, ensure that the concrete has been cleaned, 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.

The AA Series Primer may be applied to new concrete surfaces and will allow the concrete to cure through the coating. Allureglow USA Photoluminescent Coating protects new concrete against efflorescence, and has excellent water and alkali resistance.

AA Series White Primer **TECHNICAL DATA**

Shelf Life (unopened)	1 Year @ 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	Brushed, Rolled or Sprayed
Drying Time	From 10-30 Minutes (depending on temperature and humidity). Drying may be accelerated by the application of warm air across the wet surface (under 100°F or 40°C)
Re-Coat Time	2 Hours
Curing Time	Full Cure Up to 24 hours, depending on temperature and humidity. Curing may be accelerated by the application of warm air across the wet surface (under 100°F or 40°C) <u>Can be Re-Coated after only 2 Hours.</u>
Coverage or Spread Rate	1 Gallon will cover 200-250 square feet (20-22 square meters)
Color	White
Clean Up	Use Warm Water
CAUTION	Read the 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 Clear Top Coat **PRODUCT DESCRIPTION**

AA Series Clear Top Coat is a 2 Part Waterbased 100% Acrylic Coating. When Cured, the coating 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.

AA Series Clear Top Coat can be used in applications where the coated surface is permanently immersed in water, or in contact with strong solvents.

AA Series Clear Top Coat may be applied by Spraying or Rolling.

AA Series Clear Top Coat is dispersible in water and water is the recommended for All Cleaning of spray guns, brushes or rollers. If Any AA Series Paint has hardened, Soak in Acetone to soften and remove.

AA Series 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 product.

AA Series Clear Top Coat **TECHNICAL DATA**

Shelf life (unopened)	1 Year @ 70°F or 21°C
Mixing	Add 2 ounces of AG-CLA-100 to every 1 Gallon of AA Series Clear and Mix thoroughly with a High-Speed Drill and Appropriate Mixing Blade for 5 minutes (We suggest a Type 2 Dispersion Blade) and allow to sit covered for 30 minutes prior to use for <i>ALWAYS USE BEST SAFETY PRACTICES BY WEARING SAFETY GLASSES OR SHIELD AND GLOVES WHEN MIXING</i>
Pot Life	24 Hours is the Pot Life Once the AG-CLA-100 is added
Drying time	15-60 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.
Curing time	48 hours, may be accelerated by applying warm air (below 100°F or 40°C) across the surface of the top coat. Heat guns are great, but temperatures must be watched or you can melt the Paint.
Coverage	250-300 square feet per Gallon (22-24 square meters).
Color	Clear Base Material is 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.

AA Series Clear Top Coat **APPLICATION AND MIXING**

Mix 2 ounces of AG-CLA-100 to every 1 Gallon of AA-1000-CC Clear Top Coat and Mix Thoroughly using a High-Speed Drill and a Type 2 Dispersion Blade for 5 Minutes and allow to sit for 30 minutes prior to using. **ALWAYS USE BEST SAFETY PRACTICES BY WEARING SAFETY GLASSES OR SHIELD AND GLOVES WHEN MIXING**

AA Series Clear Top Coat can be applied by Any Type Spray Gun or High Quality Roller.

If application is by spray gun, use a spray tip, a #3 or 1.1 mm is best to achieve proper atomization of the coating.

Do not expose the coating to surface abrasion or impact until it is fully cured, usually 72Hours is sufficient. For Roller Applications, always use only good quality roller sleeves.

Wash out spray guns, brushes and roller sleeves in clean warm water.

G9-200-WB PIGMENTS **TECHNICAL DATA**

DESCRIPTION

PHOTOLUMINESCENT ANTI-SLIP PIGMENT
YELLOW GREEN DAYLIGHT COLOR WITH GREEN GLOW COLOR
ULTRA HIGH GLOW INTENSITY, LONGEVITY AND QUALITY

APPLICATIONS

ALLUREGLOW USA STAIR NOSING SYSTEM
ANTI-SLIP BROADCASTING

COMPLIANCE & REGULATORY

ASTM D3648-2004, Standard Practices for the Measurement of Radioactivity
ASTM E2072-04, Standard Specification for Photoluminescent Safety Markings
ASTM E2073-02, Standard Test Method for Photopic Luminance of Photoluminescent Markings
Bombardier SMP 800-C (2000), Toxic Gas Generation Test
DIN 67510 Part 1, Phosphorescent Pigments and Products: Measurement and Identification by the Manufacturer

G9-200-WB PIGMENTS
CONTINUED

Performance Data

Performance Tests carried out in accordance with DIN 67510 +/-5%

Afterglow @ 10 minutes	Total Time to Reach .50 mcd/m²
>1200mcd/m²	>72 hours

Afterglow Performance data is measured by instrument on the raw pigment (no encapsulation in water or resins etc.) Actual performance will be governed by method of use of the pigment. Encapsulation of the pigment in water clear resins will result in higher performance results, and encapsulation in color pigmented resins may result in lower performance results.

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.