

Lümiere

designer metallic epoxy coating

DESCRIPTION

Lumiere is a premium quality reflector metallic epoxy flooring system that combines the strength and durability characteristics of industrial coatings and reflective enhancer properties of Lumiere metallic essence. Lumiere metallic pigments are a versatile class of coloring agents, composed of fine particles of malleable metals in elemental form. The significance comes from their ability to provide stunning visual effects that are impossible using traditional organic and metal compound pigments. Lumiere metallic essence retain many of the attributes of the bulk metal, such as solidity (opacity), metallic color, sheen, malleability, ductility and density. Their use as coloring matter reflects this. Aluminum and gold bronze pigments provide the appearance of silver and gold respectively, with the aura of quality and prestige that these metals imply. For this reason, Lumiere designer epoxy flooring is often used in prestige applications to add value.

ADVANTAGES

- Good clarity and color retention
- Zero VOC
- Low viscosity - easy application and clean-up
- Low odor during application and curing
- Available in fast cure option

SUBSTRATE REQUIREMENTS

- Substrate temperature must be a minimum of 50°F and relative humidity below 85% for proper curing.
- Substrate must be free of dirt, waxes, curing agents and other foreign materials
- Not recommended for immersion in oxidizing agents or mineral acids

COMPOSITION

- 100% solids epoxy, aliphatic amines and metallic pigments

COLOR SELECTION

- Lumiere Metallic Essence is a colorful metallic powder pigment that is added to Lumiere clear bodycoat. It is available a wide variety of colors. [Click here to view the color chart.](#)

APPLICATION

Surface Preparation is the most critical portion of any successful resinous flooring system application. All substrates must be properly prepared as outlined in Düraamen's Technical Bulletin # 1. Work must be performed by trained or experienced contractors or maintenance personnel. The Düraamen Company's service department is pleased to answer any technical questions.

INSTALLATION

The Lümiere metallic epoxy flooring system is normally applied as a three or four coat system. It involves the application of a primer coat, a body coat and one or more applications of polyurethane and/or polyaspartic topcoats.

For complete installation instructions contact your Düraamen representative.

CLEAN UP

Clean skin with soap and water. Tools and equipment should be cleaned with Xylene or Lacquer thinner. Consult MSDS for safety and health precautions.

COVERAGE

Lumiere covers 75–150 Sq.ft./Gal. depending on application method.

AVAILABILITY

Lümiere is available throughout the United States and Canada. Contact Düraamen representative in your area for details.

MAINTENANCE

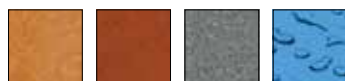
After completing the application of Lümiere, the installer should provide the owner with maintenance instructions.

TECHNICAL SERVICE

Düraamen Engineered Products, Inc. provides services and consultations on material selection, specification, troubleshooting, and other information on the proper repair and protection of concrete surfaces.

TECHNICAL DATA

| | |
|--------------------------|---------------------------------------|
| Viscosity @ 75°F | 750-1000cps |
| Mixing Ratio | 2 parts A to 1 part B by volume |
| Solids Content | 100% by volume |
| Volatile Organic Content | -0- |
| Weight Per gallon | 9.00-9.50 pounds per gallon, mixed |
| Gloss, 60°F | 100-110 |



CURE/DRY TIME

| | |
|--------------------------------|----------------------|
| Pot Life | 30-40 minutes @ 75°F |
| Dry to Touch | 10-12 hours @ 75°F |
| Re-Coat | 12-16 hours @ 75°F |
| Light Traffic | 24 hours @ 75°F |
| Full cure & maximum resistance | 5 days |

CHEMICAL RESISTANCE

| Reagent | Rating |
|-------------------------|--------|
| Acetone | L |
| Ammonia Hydroxide – 38% | R |
| Beer | R |
| Bleach | L |
| Brake fluid | L* |
| Ethylene glycol | R |
| Fatty acids | L |
| Gasoline | L |
| Hydrochloric acid 15% | R |
| Lactic acid 10% | R |
| Orange Juice | R |
| Peroxide 35% | L |
| Phosphoric Acid 85% | L |
| Skydrol | L |
| Sodium Hydroxide 50% | R |
| Sulfuric acid 20% | R |
| Toluene | L |
| Urea | R |
| Vinegar | L |
| Xylene | L |

R – Recommended for continuous service

L – Limited recommendation, occasional spills

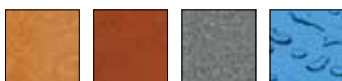
* - May cause slight stain or discoloration

PERFORMANCE PROPERTIES

| | |
|-----------------------------------|--------------------------------|
| Tensile Strength ASTM D638 | 8500psi |
| Adhesion to Concrete (ACI 403) | 350psi (100% concrete failure) |
| Hardness(ASTM D-2240) | 80 Shore D |
| Flexural Strength, ASTM D-790 | 8000psi |
| Compressive strength, ASTM D-695 | 11,000psi |
| Service temperature | 150°F |
| Water absorption, ASTM D670-73 | 0.10% maximum |

WARRANTY

Information regarding Duraamen products is based upon extensive research provided by the supplier of the raw materials. By making such information available, Duraamen Engineered Products Inc. does not assume any liability beyond express terms of our standard limited material warranty. Duraamen Engineered Products does not warrant the accuracy or completeness of any such information, whether conveyed orally or in writing, but to the best of our knowledge believe it to be accurate. We reserve the right at any time and without notice to update or improve our products and process for the intended use or application. Duraamen Engineered Products (Duraamen) warrants for a period of one (1) year that its products will be free of manufacturing defects and will be in conformity with published specifications when handled, stored, mixed and applied in accordance with recommendations of Duraamen. If any product fails to meet this warranty, the liability of Duraamen will be limited to replacement of any non-conforming material if notice of such non-conformity is given to Duraamen within 1 (one) year of delivery of materials. Duraamen may in its discretion refund the price received by Duraamen in lieu of replacing the material. No customer, distributor, or representative of Duraamen is authorized to change or modify the published specifications of this warranty in anyway. In order to obtain replacement or refund the customer must provide written notice containing full details of the non-conformity. Duraamen reserves the right to inspect the non-conforming material prior to replacement EXCEPT FOR THE EXPRESSED WARRANTY STATED ABOVE, THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR PURPOSE. DURAAMEN'S OBLIGATION SHALL NOT EXTEND BEYOND THE OBLIGATIONS EXPRESSLY UNDERTAKEN ABOVE AND DURAAMEN SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO THE PURCHASER OR ANY THIRD PARTY FOR ANY LOSS, COST EXPENSE, DAMAGE OR LIABILITY, WHETHER DIRECT OR INDIRECT, OR FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.



duraamen engineered products, inc.

20 Haypress Road, Suite 323 Cranbury, NJ 08512 | duraamen.com | info@duraamen.com | 1.866.835.6595