

lumiére

metallic epoxy flooring system

Lumiére is a premium quality epoxy flooring system that is available in bright metallic finishes. It has metallic integral pigment that gives a variegated three-dimensional appearance. Typically it is coated with polyaspartic sealer that results in a high-performance, chemical and abrasion resistant, easy to clean and virtually maintenance-free flooring system.

the lumiére system requires the application of:

- a. **Perdüre E02**, 100% solids epoxy primer
- b. **Lumiére**, 100% solids metallic epoxy applied at 18-20mil thickness
- c. **Perdüre P70**, 98% solids polyaspartic topcoat

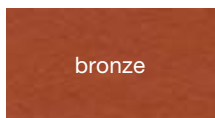
features & benefits

- Excellent clarity and three-dimensional appearance
- Very high compressive strength, 11,000psi
- Low odor during application, can be applied in occupied spaces
- Low viscosity; easy spreading and wetting properties
- Superior adhesion and excellent abrasion and chemical resistance
- Available as a fast cure option for speedy application

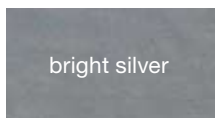
USES

- Showrooms / Retail stores
- Restaurants
- Casinos
- Entertainment centers
- Malls and Super Stores
- Dance floors
- Tattoo parlors
- Cafeterias, Ice cream parlors
- Hair salons
- Office spaces / reception areas
- Garage floors, Entertainment / Living rooms / Basements

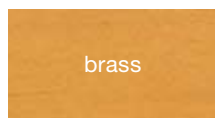
available colors



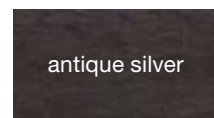
bronze



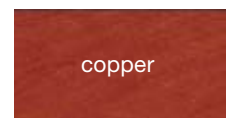
bright silver



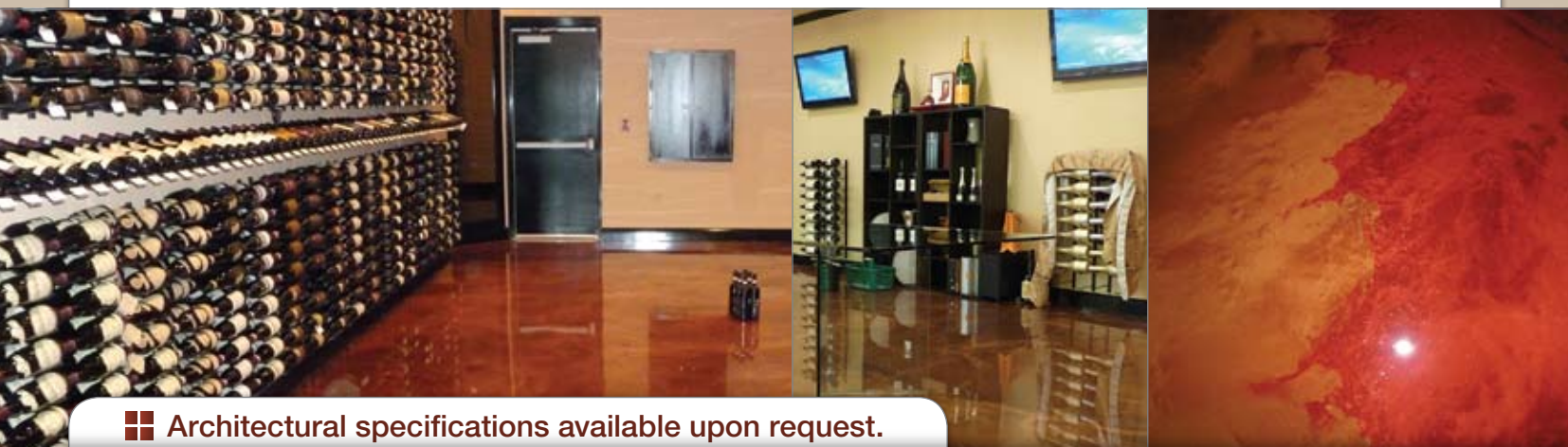
brass



antique silver



copper



■ Architectural specifications available upon request.

Lümiere

metallic epoxy flooring system

Lümiere system application

The application of the Lümiere system involves the following steps:

1. application of primer

The substrate is prepared per the guidelines given in the Düraamen *technical bulletin-1* and then one coat of the primer **Perdüre E02** is applied with a short nap roller. The primer ensures maximum adhesion to the substrate and prevents outgassing and air bubbling in the finished system.

Perdüre E02 is a 100% solids, moisture-tolerant epoxy primer for concrete and masonry surfaces. It combines the properties of water insensitivity and good wetting properties. After the application of primer, it is allowed to cure for at least 6-8 hours before the application of Lümiere body coat.

2. application of Lümiere

a. Mixing

- I. Thoroughly mix each component separately prior to mixing with each other.
- II. Mix 4 parts of A with 1 part of B by volume for three minutes with a low speed electric drill mixing paddle.
- III. Do not mix more material that can be used in 30 minutes.

b. Application

- I. Pour material on the floor in a line and spread with a flat/notched squeegee or trowel to a coverage of 160ft²/gal. to achieve a thickness of 10-12mil.
- II. Back roll with a short nap roller to even the surface texture of the coating.
- III. Allow material to cure for 14-16 hours before applying the second coat. Two coats are required unless a single coat is applied at least 18-20mil thick.
- IV. Second coat (OPTIONAL): Mix and apply as before. If the second coat is back rolled, be aware that the roller pattern may be visible. While the material is still wet, lightly mist surface with dispersing agent (acetone or Xylene, etc.) with a sprayer to create special effects. A carbon dioxide powered sprayer is a better option to avoid unwanted drips. Experimentation is necessary to determine how long to wait before spraying dispersing agent, based on such factors as temperature, amount of solvent, type of solvent, etc. Spray too soon and the epoxy will flow back to its original appearance. If sprayed too late the Lümiere will not be affected by the solvent mist.
- V. The Lümiere is allowed to cure for at least 24 hours before the application of top coat.

3. application of topcoat

a. Use **Perdüre P70** for sealing the Lümiere system.

Perdüre P70, 98% solids polyaspartic sealer is applied as a protective top coat over Lümiere body coat. **Perdüre P70** is a next generation aliphatic polyaspartic polyurea designed to provide high gloss, UV stable (non-yellowing), chemical and abrasion resistant protection. **Perdüre P70** has very low odor and can be applied indoors in occupied areas.

technical data

Tensile Strength (ASTM D-638)	8,500psi
Adhesion to Concrete (ACI 403)	350psi (100% concrete failure)
Hardness (ASTM D-2240)	80 (Shore D)
Flexural Strength (ASTM D-790)	8,000psi
Compressive Strength (ASTM D-695)	11,000psi
Service Temperature	150°F
Water absorption (ASTM D-670-73)	0.10% maximum
Viscosity @ 75°F	750-1000cps
Mixing ratio	4 (Part A) : 1 (part B)
Solids Content	100% by volume
VOC	Zero
Gloss, 60°F	100-110
Density	9.0-9.70lb/gal.
Pot life	30-40min @ 75°F
Dry to touch	10-14hours @ 75°F
Recoat	14-16hours @ 75°F
Light traffic	24hours @ 75°F
Full cure & Maximum Resistance	5 days



Photos courtesy of Garage and Beyond