

The application of Lümiere system involves the following steps:

1. application of primer

After preparing the substrate as per the guidelines given in Düraamen Technical Bulletin-1 , prime the substrate with Perdüre E02. The primer ensures maximum adhesion to the substrate and prevents outgassing and air bubbling in the finished system.

2. application of lümiere

Mixing

- Thoroughly mix each component prior to mixing with each other
- Mix 2 parts of A with 1 part of B by volume for three minutes with a low speed electric drill mixing paddle
- Do not mix more material that can be used in 30minutes

Application

- Pour material on the floor in a line and spread with a flat/notched squeegee or trowel to a coverage of 160ft²/ga to achieve a thickness of 10mil
- Back roll with a short nap roller to even the surface texture of the coating
- Allow material to cure a minimum of 14-16 hours before applying the second coat. Two coats are required unless a single coat is applied at least 20mil thick.

Second coat:

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.

Other application details to consider

- Using an eyedropper to apply individual drops of solvent will create a 'fish eye' or 'hammered' effect. Troweling (vs back rolling) will create a different visual effect particularly when the material is applied thicker than 150 ft²/ga. Using a fresco troweling technique (i.e., random 'x' and 'y' patterns to break up the 'windshield pattern').
- Small quantities of mixed solid colour Perdure E20 or Perdure E10 may be sprinkled into the second coat of Lümiere while wet and lightly trowelled to create a swirled or mottled appearance.

Note: Experiment with wet samples before quoting your customer to determine which procedure you will be using on the project. Communicate to your customer that any of these techniques will result in a varying appearance on the floor.

3. application of topcoat

- Use Perdüre U50 or Perdüre P98 for sealing the Lümiere system.

Consult Düraamen representative before specifying the top coats to your customer.

