PAINT ON SCREEN / PRODUCT DOCUMENT

Diamond Installation Guide

Interior projection screen coating | Roll-on and sprayable application

Product	Paint On Screen Diamond
Use	Interior projection screen coating for prepared wall surfaces
Variants	Roll-on Diamond and sprayable Diamond
Coverage	Approximately 170 sq ft per US gallon for the standard two-coat rolled system
Contact	800-236-8015 | sales@paintonscreen.com

Choose the application instructions that match the formulation on the container. Use the current product label and Safety Data Sheet alongside this guide.

1. Select the Diamond formulation

Roll-on Diamond	Published gain 1.4. Apply two uniform coats for the standard rolled system.
Sprayable Diamond	Published gain 1.6. Apply two to four coats as needed for an even film on drywall.
Finished coverage	Approximately 170 sq ft per gallon or 40 sq ft per quart for the standard two-coat system. Allow for extra coats and application loss.
Application conditions	Above 50°F (10°C); relative humidity at or below 85%; substrate moisture below 15%; surface temperature at least 5°F (3°C) above dew point.

2. Prepare and prime the wall

Mark the projected image boundary. Repair defects, smooth the surface, remove dust and contamination, and inspect under a work light held at a shallow angle. Allow skim coat to dry fully, sand smooth, and remove all sanding dust before priming.

Drywall or skim coat	Apply two coats of Paint On Screen Primer and allow each coat to dry. On skim coat, use the same application method planned for the Diamond finish.
Other substrates	Select the primer for wood, masonry, or nonporous surfaces using the Master Installation Guide. Confirm adhesion with a test patch.
Test area	Before coating the full wall, check adhesion and uniformity under raking light and with the projector.

3. Apply roll-on Diamond

Stir thoroughly before and during application. Use a clean microfiber roller cover for each coat. On smooth drywall, use a 3/8-inch nap. Apply a uniform vertical layer, aiming for approximately 4 mils wet per coat under the standard wall-coating procedure.

Maintain a wet edge. As the film begins to set, finish with continuous top-to-bottom passes, overlapping each pass by about half. Check for lint, ridges, and missed areas. Allow the first coat to dry before applying the second coat with a fresh cover.

4. Apply sprayable Diamond

Confirm the spray setup against the product instructions. As a starting point for standard liquid coatings, use approximately 2,000 psi and a .017-.021 inch airless tip. Verify the fan pattern on a test area. Apply even, overlapping passes at a consistent distance and angle.

The standard spray procedure uses approximately 1.5-2 mils wet per coat. Follow the product label for thinning or straining. Provide ventilation and use the respiratory protection required for the work area.

5. Recoat and inspect

Drying at 77°F / 50% RH	Typically about one hour to touch and two to four hours before recoating. Cooler or more humid conditions extend drying.
Final inspection	Use raking light and a plain projected image to identify lap marks, uneven sheen, overspray, or thin coverage. Allow the coating to cure fully before washing or applying a border.
Cleanup	Clean tools with mild soap and warm water. Follow equipment instructions and applicable disposal requirements.

For substrate selection, additional preparation, and projector setup, follow the Paint On Screen Master Installation Guide.