



CTI PAPER USA

ASPIRE Petallics®

Metallic Colored Papers

Printing & Handling Hints — All Surfaces

ASPIRE Petallics® Metallic Colored Papers are easy to print on when following these simple hints. We recommend you pre-test all procedures prior to press time to ensure you achieve the desired results.

Inks: ASPIRE Petallics has a totally low-absorbent surface. For optimum results, we recommend inks that dry by oxidation and contain less than 5% VOC (solvents). Please consult your ink manufacturer prior to printing. Some offsetting of the pigment particles to the blanket may occur during printing but should not affect the image quality and will not require special wash-ups.

Handling: Keep ASPIRE Petallics wrapped in mill packaging until the moment of printing. It is essential to let the paper acclimate in the press room for a minimum of 24 hours — longer during cold weather. Also keep ASPIRE Petallics covered during drying, between passes and prior to any finishing work. Pressroom conditions should be as close as possible to 68 degrees and 45-60% relative humidity. If the bindery has a different climate than the pressroom, allow the paper to acclimate to those conditions.

Reverse: ASPIRE Petallics is equally coated on each side. We recommended you print both sides of the first 10 sheets of each carton to ensure you achieve the desired results on each side.

Delivery: For optimum results, set jogger pressure to a minimum and lifts at 3 to 5 inches.

Coating: Low solvent (0-5%) varnish or aqueous coating is optional as a surface protector or to achieve design effects. Pre-test all coatings for compatibility.

Fountain Solution: Run water at minimum levels with a minimum pH of 4.0; ASPIRE Petallics has a surface pH of 8. Solid or multiple color bars can be used to assist in removing water and aid in ink set time.

Cutting: Use care when cutting ASPIRE Petallics. Use a sharp knife with minimum clamp pressure. To achieve a clean edge, back trimming is essential. Wipe the newly cut edge with a clean, soft, glycerin-saturated cloth.

Scoring and Folding: To properly score ASPIRE Petallics, start with a 2 point rounded channel score. The matrix channel should be a minimum width of 2.5 times the caliper of the sheet to be scored, plus 0.028" — normally 0.050" for text and 0.060" for cover.

Binding: ASPIRE Petallics is suitable for all standard binding processes. It is important to plan for proper grain direction in all binding applications. Grain direction should run parallel to the spine for optimum results.

Foil Stamping: For optimum results, use foils suitable for plastic materials.

Pearl Surface only — Additional Printing & Handling Hints

In addition to what is stated in the above hints, pay special attention to the information below when printing on ASPIRE Petallics Pearl. As with all surfaces, we recommend you pre-test all procedures prior to press time to ensure you achieve the desired results.

Scoring and Folding: Due to the unique nature of its pearlescent surface, when scoring and folding ASPIRE Petallics Pearl, it is common for a small amount of coating particles to be dislodged. Scoring ASPIRE Petallics Pearl with a letterpress channel score in the grain direction is recommended to minimize cracking on the fold. However, a small amount of coating will still flake off and this is considered normal.

Reverse: As with all coated papers, periodic blade streaks may occur on one side of ASPIRE Petallics Pearl, so it is essential to test both sides before printing. We recommend you print both sides of the first 20-50 sheets.

Note: The above recommendations are "hints" based on our knowledge and experience. CTI Paper USA and its affiliates do not accept responsibility for omissions or pressroom errors. Email printing@thepapermill.com or call 800-284-7273 for additional assistance.

Printed on ASPIRE Petallics® Snow Willow 81 lb. Text