



ASTROBRIGHTS® PAPERS PRODUCTION TIPS

ASTROBRIGHTS® Papers are easy to print on when following these simple tips. It is recommended to pretest all printing procedures prior to press time to ensure the desired results are achieved. Sample sheets are available through authorized Neenah merchants or by contacting our sample department at 800-994-5993.

Storage/Handling: Papers need to acclimate to pressroom conditions at least 24 hours before opening. Pressroom humidity should be in a range of 40-55% at 70-75°F. Once open, rewrap unused product

Colorfastness: ASTROBRIGHTS® Papers contain water-soluble dyes and are not recommended where moisture or light may cause bleeding or fading. Depending on the level of fluorescent attributes, some colors have a higher probability of fading than others. Always pretest for best results.

Prepress: As a general rule with uncoated paper, imagery should be adjusted in prepress to compensate for the additional 5–15% tone value increase that will occur. The precise amount of undercolor removal is image-specific. Total area coverage should not exceed 320%.

Ink/Printing: The use of opaque light inks on dark stocks may require an in-line double pass. Black and metallic inks work well and deliver successful results. Anticipate a dry-back of 5 to 7 density points.

Varnish: Low solvent (0–5%) varnish can be used as a surface protector; it will not alter nor enhance the appearance of ASTROBRIGHTS® Papers.

Aqueous Coating: Aqueous coating can be used as a surface protector; it will not alter nor enhance the appearance of ASTROBRIGHTS® Papers. Most printers will only use aqueous coating on heavier weight stocks and only with a special formulation for uncoated papers to avoid possible paper curl. Pretesting is necessary.

Embossing: ASTROBRIGHTS® Papers emboss and deboss beautifully.

Foil Stamping: Foil stamping on ASTROBRIGHTS® Papers yields striking results. We recommend the use of wax-free litho inks when combining offset lithography and foil stamping to ensure the best results and the maximum adhesion of foil to ink. For best results, stamp directly onto ASTROBRIGHTS® Papers using new foils.

Non-Impact Printing: ASTROBRIGHTS® Papers text weights and cover weights up to 80C are guaranteed for laser and ink jet printing.

Digital Printing: ASTROBRIGHTS® Digital offerings are compatible with all toner based presses. For more information on digital printing and presses visit: neenahpaper.com/digital

Folding/Scoring: A letterpress channel score parallel to the grain direction is recommended to ensure a smooth crease.



ASTROBRIGHTS® PAPERS PRODUCTION TIPS (Continued)

Trimming/Die-Cutting: A sharp blade will ensure a clean cut through the stock; a dull blade could tear the stock.

Binding: ASTROBRIGHTS® Papers accept all types of commercial binding. Binding should be parallel to the grain direction to prevent moisture buckling and minimize wear on the crease. Glues should be completely dry prior to additional converting steps. Gluing and bindery processes should always be pretested.

Note: *These production tips should be used as general guidelines and are not inclusive of all printing and finishing methods. Neenah recommends always pretesting for desired results prior to full production.*