Tips for Mohawk Inxwell® papers

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Mohawk's proprietary Inxwell technology creates an easy running sheet with a tight surface and exceptional opacity. Ink and toner sit on top of the sheet for better color, greater detail, and outstanding performance in all popular printing processes. Mohawk's Navajo and Options lines are Inxwell papers. Brilliant White Navajo boasts a 98 brightness and an ultra-smooth finish. Mohawk Options offers eight whites, and is available in Smooth and Vellum finishes. Both Mohawk Options and Navajo are stocked in a wide range of weights and press-ready sizes, including 28x40.

Optimum results on Inxwell papers

Printing requires a constant focus on consumables: inks, blankets, fountain solutions, and paper for the best printing and drying results. Navajo and Options have been engineered to work well within the wide variety of press conditions the market presents. The following review of standard lithography practices will ensure your success with Inxwell papers.

1) Compared with other uncoated papers, these grades provide unusually refined photographic reproduction. Ink saturation techniques for uncoated papers, such as UCR (under color removal) or GCR (gray component replacement) can be used for greater contrast, but are not necessary. With high ink holdout paper, sharp and smooth midtones and shadow areas are easy to achieve.

Like other uncoated papers, a total print density range of 260% is a good target. Screen rulings from 150 to 200 lines per inch and even higher can be used with excellent results.

2) Mohawk's Inxwell papers require less ink and water than other uncoated papers. Nominal wet ink densities should be close to: K-1.30, C-1.15, M-1.15, Y-0.85 for clean and sharp print.

3) Match colors will appear brighter and more saturated than on other uncoated papers.

4) Matte or dull varnish and aqueous coating can be used to help seal the sheet, a technique often used for rub protection on uncoated papers. Remember that inline varnish needs as much time to dry as a solid ink color.

5) As always, minimize water levels, and run with a conductivity below 2,000 micromhos and a pH level between 4.5 and 5.5 for optimal water performance.

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6) Uncoated paper normally needs more drying time than coated paper. Good delivery practices are necessary on smooth finish, high ink holdout papers. The use of spray powder is advised. Large particle size powder, generally 30 to 40 microns, will separate the sheets for greater air circulation. Running with small stacks—500-700 sheet lifts—will help prevent ink set off.

7) The carton label reminds the printer that Mohawk Options and Navajo are high ink holdout papers.

8) The high opacity of the Inxwell papers may allow the use of a lighter weight sheet in some applications—great for postage costs. Opacity measures the proportion of light that does not penetrate the unprinted paper. The opacity of Navajo and Options is two points higher than most other competitive grades.

Inxwell papers perform well in all of the popular printing processes: offset, heatset web, waterless, embossing, thermography, foil stamping, envelope conversion, binding, and digital printing.

For more information and samples, please call your local merchant or Mohawk at 1 800 the mill. www.mohawkpaper.com