

starwhite® Papers Production Considerations

STORAGE / HANDLING

Papers need to acclimate to pressroom conditions at least 24 hours before opening. Pressroom humidity should be in a range of 45%–55% at 70°–75°F. Once open, rewrap unused product.

PREPRESS

When printing on STARWHITE® Flash Colors, total area coverage should be kept under the 260% range.

INK / PRINTING

STARWHITE FLASH COLORS – requires fully oxidizing inks and a drying agent is recommended. Use a 20/30 micron spray powder for two sided printing and 40/50 micron spray powder for single sided printing. Small lifts (not to exceed 4" in height and may require less pile height depending on the amount of ink coverage) and additional drying time are necessary prior to other converting steps. The use of infrared heat on press may retard ink drying, however, UV printing works well. Maintain a fountain solution pH balance between 4 and 6 and run water at absolute minimal levels, even to the point of ink scumming. For lower print coverage we recommend ink consumptions strips on press. It is normal for a minimal amount of surface coating particles to transfer to the printing blanket, however they should not impede with print production and are cleaned effectively with typical blanket washing devices.

ASTROSILVER ORION FINISH – requires the use of fully oxidizing inks. Run water at a minimum with a pH of 5-6. Use a 20/30 micron spray powder for two sided printing and 40/50 micron for single sided printing. This prevents set off and allows oxygen to enter the stack. Small lifts are recommended.

VARNISH

Low solvent (0-5%) varnish can be used as a surface protector. However, it will not enhance the appearance of STARWHITE Paper's Flash Colors, and in some cases it may alter the appearance. Pretesting is recommended.

AQUEOUS COATING

Aqueous coating may alter the effect of the STARWHITE Flash appearance. For aqueous coating on STARWHITE Flash Colors and Astrosilver, pretesting is recommended.

EMBOSSING

Writing, Text and Cover weights, in all finishes emboss and deboss beautifully. The die's impression will smooth a textured finish, resulting in a dramatic contrast between the two.

ENGRAVING

Engraving inks need no special treatment. Best results come with a female plate of .064 gauge copper and handcut male counter plate of 24-ply counter board applied with 2,000–4,000 pounds of pressure. Pressure range is dependent upon complexity of copy. Precision when cutting a counter requires less pressure and enhances the image.

FOIL STAMPING

When utilizing STARWHITE Flash and Astrosilver, foils compatible with non-porous substrates are recommended. Pretest to determine the proper foil, heat conditions and pressure required for best results.

THERMOGRAPHY

No special considerations are needed.

NON-IMPACT PRINTING

STARWHITE 24 Writing Smooth and Hi-Tech are guaranteed for laser and ink-jet printing. STARWHITE Paper's Flash Colors are suitable for laser and monochrome ink-jet printing. However, consideration should be given to equipment paper weight restrictions and pretesting for optimal print results is recommended.

FOLDING / SCORING

A letterpress channel score parallel to the grain direction is recommended to ensure a smooth crease. Always pretest with heavier weight covers and double thick covers.

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TRIMMING / DIE-CUTTING

A sharp blade will ensure a clean cut through the stock; a dull blade could tear the stock.

BINDING

PUR adhesives may be required on STARWHITE Flash Colors.

View additional printing information at www.neenahpaper.com/printingtips