

UV/ULTRA® II Translucent Papers Production Considerations

PREPRESS

Imagery should be adjusted in prepress to compensate for the 7–10% tone value increase that will occur. The exact amount is image specific. Total dot area should not exceed 320%.

INK/INK DRYING

Fully oxidizing inks are necessary. UV/ULTRA® II Paper is non-porous, therefore non-absorbent. Small lifts and additional drying time are necessary prior to other converting steps.

VARNISH

Varnish should only be used after the ink has completely dried. In-line varnish can be used; however it will seal the sheet and additional dry-time will be required. Varnishes should be pretested. Aqueous coating is not recommended.

HEAT SET WEB

UV/ULTRA® II Paper is not recommended for heat set web application. We recommend you use CLEARFOLD® Translucent Papers for your web press needs.

EMBOSSING

Simplified embossing patterns work best. A whiter more opaque area will appear where embossed. Pretesting is recommended to achieve desired effects.

ENGRAVING

UV/ULTRA® II Paper accepts engraving very well. Smaller image areas will yield the best results.

FOIL STAMPING

Foils compatible with non-porous substrates are recommended. Foil release characteristics, image area, heat conditions and pressure all need to be taken into consideration when foil stamping. Pretesting is recommended.

NON IMPACT PRINTING

UV/ULTRA® II Paper is laser guaranteed and monochrome ink jet compatible. UV/ULTRA® II Pearalized paper is laser and monochrome ink jet compatible. Consideration should be given to equipment paper weight restrictions and heat conditions.

FOLDING/SCORING

Fold strengths vary with the weight of the paper, therefore end use and product life must be considered and pretesting is necessary. If folding UV/ULTRA® II Paper, we recommend you use a rounded channel score parallel to the grain for best results. FOLDING 36# UV/ULTRA® II Paper is NOT RECOMMENDED.

TRIMMING/DIE-CUTTING

A dull trimmer blade should be used. A newly sharpened blade will chip. UV/ULTRA® II Paper die-cuts beautifully on all weights.

BINDING

UV/ULTRA® II Paper works well for perfect binding and spiral binding. Binding applications should always be parallel with the grain direction. Pretest the glue when perfect binding. Saddle stitching should also be pretested. UV/ULTRA® II Paper is not recommended for cover or centerfold applications when saddle stitching. Fold strength varies with the weight of the paper, therefore end use and product life must be considered.

CLEARFOLD® Translucent Papers Production Considerations

STORAGE

On-machine transparentized papers are extremely sensitive to humidity and must remain covered with plastic at all times and throughout all stages of a job to avoid curl and dimensional instability. CLEARFOLD® Paper must be stored unopened in the original packaging away from possible exposure to humidity or excessive hot or cold temperatures.

PREPARATION

To insure ideal results allow CLEARFOLD® Paper to acclimate to press room temperatures, unopened in the original packaging for a minimum 24 hours prior to printing (longer when exposed to colder conditions). The press room must be between 40% and 60% RH and the temperature between 60° and 70°F. Cartons and reams should be unwrapped immediately prior to printing, and not any earlier. Curl may result in the event that temperature or humidity conditions changed significantly in the last 24 hours. In such case, CLEARFOLD® Paper must stay covered and be allowed to acclimate again to the changes. Paper must remain wrapped or covered in plastic between all press and bindery steps.

PREPRESS

Imagery should be adjusted in prepress to compensate for the additional 5–15% tone value increase that will occur. The precise amount of under color removal is image specific. Total area coverage should not exceed 320%.

PRINTING

Use fully oxidizing inks and minimal water with the water-ink balance as excess water will not be absorbed or removed from the blankets. Your ink supplier is the best information resource. Use coated spray powder of normal fineness (if needed). CLEARFOLD® Paper is non-porous, therefore non-absorbent. Small lifts and additional drying time are necessary prior to other converting steps. Fully oxidizing inks will dry at a faster rate than conventional inks. Maintain fountain solution pH balance between 4 and 6. If optimal ink lay is not achieved, consider a minimal reduction of ink tack. Dry trapping and back side registered printing are not recommended as registration may be an issue.

VARNISH

An in-line varnish can be used to seal the sheet. This will help off-set potential scuffing and curling when CLEARFOLD® Paper is used in a cover, or wrap application. If off-line varnishing is used, the ink must be completely dry. Varnish should be pretested. Do not use aqueous coatings.

HEAT SET WEB

CLEARFOLD® Paper is guaranteed for heat set web application when storage, preparation, and printing tips are followed. Oven temperatures and speed must be controlled to avoid blistering and excessive curl. Pretesting is recommended.

EMBOSSING

Avoid using sharp tools. Simplified embossing patterns work best. A whiter more opaque area will appear along the edges of the embossed area. Pretesting is recommended to achieve desired effects.

ENVELOPES

CLEARFOLD® 30# is recommended for envelopes. Use dull scoring blades and minimal heat for adhesive drying when converting. Adhering a piece of Teflon tape to top and bottom score blade has proven to be successful to eliminate cracking on the fold. Folding techniques and glues used in envelope conversion must be pretested.

FOIL STAMPING

Foils compatible with non-porous substrates are recommended.

THERMOGRAPHY

CLEARFOLD® Paper accepts thermography well. Pretesting is recommended.

LASER PRINTING

Toner adheres well to CLEARFOLD® Paper. Consideration must be given to equipment paper weight restrictions and heat conditions. Monochrome ink jet printing is acceptable.

SCORING & FOLDING

CLEARFOLD® Paper is ideal for scoring and folding. A rounded channel score parallel to the grain with a minimum width of 2.5 times the caliper of the stock to be scored plus 8/1000" is recommended. Do not use sharp tools when scoring and folding. Folding away from the "bead" (opposite the traditional way) is recommended.

TRIMMING/DIE-CUTTING

A dull trimmer blade should be used. A newly sharpened blade will chip. CLEARFOLD® Paper die-cuts beautifully on all four weights.

BINDING

CLEARFOLD® Paper can be saddle stitched, stapled, spiral bound or perfect bound. Binding should be parallel to the grain direction. Glues and bindery processes should always be pretested. Hot melt adhesives are recommended. Finished pieces should be wrapped completely in plastic or waterproof packaging to reduce the effects of humidity.