



TechLines

Quick Reference Card

This easy-to-use compendium of specifications, taken from our *TechLines Sheets*, is intended to help you prepare your electronic files, plate-ready films or camera ready art for efficient production.

You are encouraged to review the complete TechLines series and share these materials with your designer, service bureau or other source involved in the creation of your page materials. Please contact us for additional copies of any of these items.

MARGIN ALLOWANCES

From **all** live matter to final trims, **including copy in bleed tabs** – 1/4" preferred, 3/16" minimum

For saddle stitched products requiring multiple sections; single web press sections of 12, 20, 28, 36, 40 or 44 pages – 1/2" preferred, 3/8" minimum

BLEED ALLOWANCES

1/8" required for top & bottom

1/4" *strongly* preferred at face, 1/8" minimum

For saddle stitch pieces that combine heatset and coldset signatures, a 1/4" face bleed is a must.

Saddle stitch covers for books of 48 or more pages should have 1/4" minimum face bleeds.

Corner marks and exterior register marks should be no closer than 1/8" to final trim on materials for perfect bind products, 1/4" for saddle stitch products.

SHEET PRESS REQUIREMENTS

COATED STOCKS

Line screens: 175 preferred; up to 200 available for halftones, duotones, 4/color separations; 133 recommended for tint screens improves the reproduction of solid color type or art in a same-color screen

Dot gain: 15%

Under Color Removal (UCR): 300% total ink limit, 94% black limit

COATED STOCKS TO BE UV COATED

Line screens, Dot gain: as above

Under Color Removal (UCR): 280% total ink limit to ensure UV adhesion, 94% black limit

UNCOATED STOCKS

Line screens: 133 for halftones, duotones, 4/color separations; 120 recommended for tint screens improves the reproduction of solid color type or art in a same-color screen

Dot gain: 20%

Under Color Removal (UCR): 270% total ink limit, 94% black limit

FOR ALL STOCKS...

INK SEQUENCE: C-M-Y-K

HALFTONE ENDPOINTS:

3% highlight dot 94% shadow dot

TRAPPING INFORMATION:

For digital files, trapping is automatically done at our raster image processor.

Type smaller than 12pt should always be set to overprint.

PREFERRED PROOFS:

Electronic files: final laser printouts – remember to specify output percentage.

HEATSET WEB REQUIREMENTS

#1, #2 & #3 COATED

Line screen: 175 **Dot gain:** 19% at the 50% dot
Under Color Removal (UCR): 310% total ink limit,
94% black limit

#4 & #5 COATED GROUNDWOOD

Line screen: 150 **Dot gain:** 19% at the 50% dot
Under Color Removal (UCR): 300% total ink limit,
94% black limit

SUPER CALENDERED

Line screen: 133 **Dot gain:** 22% at the 50% dot
Under Color Removal (UCR): 270% total ink limit,
90% black limit

OFFSET STOCKS

Line screen: 133 **Dot gain:** 30% at the 50% dot
Under Color Removal (UCR): 260% total ink limit,
90% black limit

FOR ALL STOCKS...

INK SEQUENCE: K-C-M-Y

HALFTONE ENDPOINTS:

3% highlight dot 93% shadow dot

TRAPPING INFORMATION:

For digital files, trapping is automatically done at our raster image processor.

Type smaller than 12pt should always be set to overprint.

PREFERRED PROOFS:

Electronic files: final laser printouts – remember to specify output percentage.

COLDSET WEB REQUIREMENTS

OFFSET STOCKS

Line screen: 133

Dot gain: 30% at the 50% dot

Under Color Removal (UCR): 260% total ink limit,
90% black limit

GROUNDWOOD STOCKS

Line screen: 120

Dot gain: 30% at the 50% dot

Under Color Removal (UCR): 245% total ink limit,
90% black limit

NEWSPRINT & DIRECTORY STOCKS

Line screen: 100

Dot gain: 30% at the 50% dot

Under Color Removal (UCR): 235% total ink limit,
90% black limit

FOR ALL STOCKS...

INK SEQUENCE: K-C-M-Y

HALFTONE ENDPOINTS:

3% highlight dot

92% shadow dot for black in halftones & duotones

85% shadow dot for Pantone colors in halftones &
duotones

TRAPPING INFORMATION:

For digital files, trapping is automatically done at our raster image processor:

Type 14pt or smaller should always be set to overprint.

PREFERRED PROOFS:

Electronic files: final laser printouts – remember to specify output percentage.

DRILL & PERFORATION ALLOWANCES

5-hole, 1/2" drill – 1" preferred, 7/8" minimum

3-hole, 1/4" or 5/16" drill – 3/4" preferred, 5/8" minimum

Distance from any perforation to spine fold – 3/8" preferred, 1/4" minimum

RESOLUTION FOR HALFTONE SCANS

Scanning resolution is determined by the line screen as noted inside for each press and available stocks.

For an output line screen less than 150 lines per inch (lpi), we recommend a minimum "quality factor" of 2. For example: for projects printing on uncoated papers where the film will be output at 120 lines per inch (lpi), set the scanning resolution to at least 240 dots per inch (dpi) - **the lpi times 2.**

A quality factor of 1.5 can be used for 150 lpi or greater since these screen frequencies can resolve finer details.

ELECTRONIC PREPRESS SOFTWARE

MACINTOSH

Adobe Illustrator CS, CS2, CS3

Adobe InDesign CS, CS2, CS3

Adobe PageMaker 6.x, 7.x

Adobe Photoshop CS, CS2, CS3

QuarkXPress 5.x, 6.x, 7.x

WINDOWS XP PROFESSIONAL

Adobe Illustrator CS, CS2, CS3

Adobe InDesign CS, CS2, CS3

Adobe PageMaker 6.x, 7.x

Adobe Photoshop CS, CS2, CS3

QuarkXPress 5.x, 6.x, 7.x

Please note that we have older software versions [ie. QuarkXPress 4.x, InDesign 2.x]. If you have questions about older versions, please contact your customer service representative or customer education.

If a program you use is not listed above, please call before submitting your job.

TIPS FOR SUCCESSFUL OUTPUTTING OF YOUR ELECTRONIC FILE

- 1** Make a list of all files to be printed and the appropriate page numbers.
- 2** Test and double check your files with a laser printer proof. Although not required, it is very helpful if you can send current proofs – whether you ship disks or electronically transmit your files – since we use them to plan the job and to verify output. We would prefer they be output at actual size. If this cannot be done, please specify output percentage.
- 3** Include copies of your document and graphic files in the same dedicated folder unless the number of graphics exceeds 300.
- 4** Be sure to convert the graphics to the appropriate color for output (e.g. 4/color process is saved as CMYK, spot color is saved as spot color).
- 5** All graphic files should be saved as .tif or .eps. PICT and Windows Metafiles have poor track records when outputting to high end imaging equipment.
- 6** Instead of covering unnecessary elements with “white” or “paper,” check that these elements have been removed.



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Current as of April 1, 2008