



Tempo Plastics Limited

At Tempo Plastics Limited we have a full state of the art PrePress facility utilizing the best in class workflow and automaton software/hardware including:

PrePress

- Esko Automation Engine
- Esko Advanced Plug ins
- Imaging Engine
- Full Adobe Suite
- Equinox
- Pacckedge
- Artios CAD

Plating

- DuPont Fast
- Kongsberg Table
- EFX .067

Proofing

- Colour Engine
- Epson P9000
- Kodak Approvals

Our Vision

To be the preferred Canadian custom manufacturer of flexographic printed, flexible packaging.

Our Mission

The aim of Tempo Plastics is to manufacture food contact, monolayer and laminated multi-layer pouches, bags and rollstock, with high quality process printed graphics to various North American product markets. This is achieved within the structure of a global food safety system and an internally recognized quality management system.



Tempo GRAPHICS SPECIFICATIONS

Artwork Requirements: We are equipped with PC computers and request that all artwork be sent, E-mail (if size allows) or placed on your FTP site for Tempo to download. Please contact Tempo Plastics for access.

Acceptable Software Applications: Mac OS 10 Platform, Adobe Illustrator CS, Adobe Photoshop CS6, Adobe In-Design CS5, Adobe Acrobat 9 Hi-Res PDF and ESKO Packedge or deskpack files.

Minimum Type Weight: Serif fonts - no less than 6 pt. for positive type and 8 pt. for reverse type. San Serif fonts - no less than 6 pt. for positive type and 8 pt. BOLD reverse type. When using symbols such as ®, © and TM's use minimum of 7 pt. BOLD with a bump stroke if possible, positive symbols are preferred.

Minimum Line Weight: Minimum Positive rules should be .5 pt. (.0075") or larger unless trapping into other colors then follow the trapping guidelines, the minimum for Reverse rules are no less than 1.0 pt. (.014"). When UPC's have holding rules and the keyline touches other colors, use a minimum of a .014" keyline.

Support Files: Please include all supporting elements including, images, tiffs, eps, etc as hi resolution files at no less than 300dpi - bitmaps 1200dpi. Supply your true type1 fonts, do not use true type fonts as type re-flowing may occur.

Color Standards: Use only the colors you want your package to print or specify colors to be used, delete all unused colors in the art file. We can Print up to 10 colors on our wide web press including white and varnish

Metallic Colors: Type reversing out of a metallic color can close up on press much easier than the other colors, therefore reverse copy should be opened up 1/2 pt to 1 pt. larger Metallic colored inks should be considered one of the most dominate colors and trapped accordingly.

Printing and Converting: Please see page 5 for Tempos full list of Cylinder sizes and distortions.

****PLEASE ENSURE all files are built in press direction (the around) with the correct LPI and screen angles applied**

Cyan	82.5
Magenta	22.5
Yellow	7.5
Black	52.5
Orange	82.5
Green	22.5
Violet	52.5



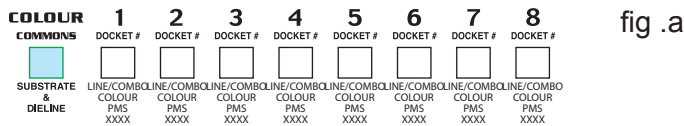
Tempo PREPRESS & PRINTING SPECIFICATIONS

Proofs: Signed-off contract proof must be sent prior to production. If there are any process images or process screens used, supply a color accurate proof for color matching at press side that is 100% in size and undistorted. All proofs need to have a Tempo dieline included on the proof with accurate measurements. All proofs must be created using Tempo profiles - if you do not have please request.

Important note: Tempo will output a contract proof for all incoming proofs for quality assurance. If there are colour decrepency Tempo will have the right to re-separate.

All Pantone colors on the proof are for reference only. Tempo will delta to the Pantone 2016 library V3

Proof Color Blocks: On the proof add color blocks in a position as to allow them to show on the 1-up proof in the correct print order outside the package. The colour name and Screen/Line/Process call outs need to be Indicated under the color blocks as well as common colors. See below - fig .a



Density & Dot Gain Targets: Density and dot gain targets backed with white are needed inside the package on all 4 color process (KALMYK) plates and all solid, screened or bitmap spot color plates. Use 3 mm circles 100% patch for solid density and 50% patch and a 2% for dot gain control on screened areas, if there are no screened areas then a 100% target is all that is needed. The color density targets need to be in the print order. See below for reference - see below fig .b

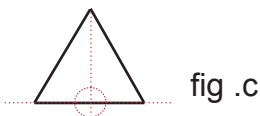


Bar Width Reduction and UPC's: BWR for digital line plates (.003"), for digital screened or combo plates (.002"). UPC's should be 100% in magnification in the machine direction, a boundary box is preferred. When UPC's won't fit into the artwork at 100%, the UPC's can be reduced to 85% in the machine direction.

Eyespots: Need to print in the darkest color and be backed with white when possible, hold back the white by 0.10" If the eyespot prints in process black, back it with the next darkest color and hold it back 0.10", then back with white. (Resulting in a 3 color eyespot). If the art has a microdot reversing out of the eyespot in black and white; the other colors will have a solid microdot.

Microdot Size and Location: .015" triangular microdots reversed out 1/8" inside the eyemark on the trim side if it's printing more than 1 around. If the package is only printing 1 around and the eyemark is centered on the impression, have the microdot reversed out 1/8" inside the eyemark on the trim side.

Important Note: Tempo microdots are triangular in shape . see below - fig .c





Tempo PRINT CONFIGURATIONS

Below are our 5 standard print configurations. These complete RECIPES include colour profiles, press sync curves and the complete press set up. Please contact Tempo Technical Services Manager (page 7) to request Recipe uploads

Recipe: **150HD_7/C_rev_pet**

Reverse Print on PET - **150HD_7/C_rev_pet**

All High Definition Extended Gamut print running 150LPI on PET

Recipe: **150HD_4/C_Spots_rev_pet**

Reverse Print on PET - **150HD_4/C_Spots_rev_pet**

All High Definition (non EG) print running 150LPI on PET

Recipe: **120_4/C_Spots_rev_pet**

Reverse Print on PET - **120_4/C_Spots_rev_pet**

All standard Reverse Print (non EG) print running 120LPI on PET

Recipe: **120_4/C_Spots_Surface**

Surface Print on POLY - **120_4/C_Spots_Surface**

All standard Surface Print (non EG) print running 120LPI on POLY

Recipe: **PPI_EG_133_7C**

Reverse Print on PET - **PPI_EG_133_7C**

All Extended Gamut Permanent Pigment (outdoor Inks) print running 133LPI on PET



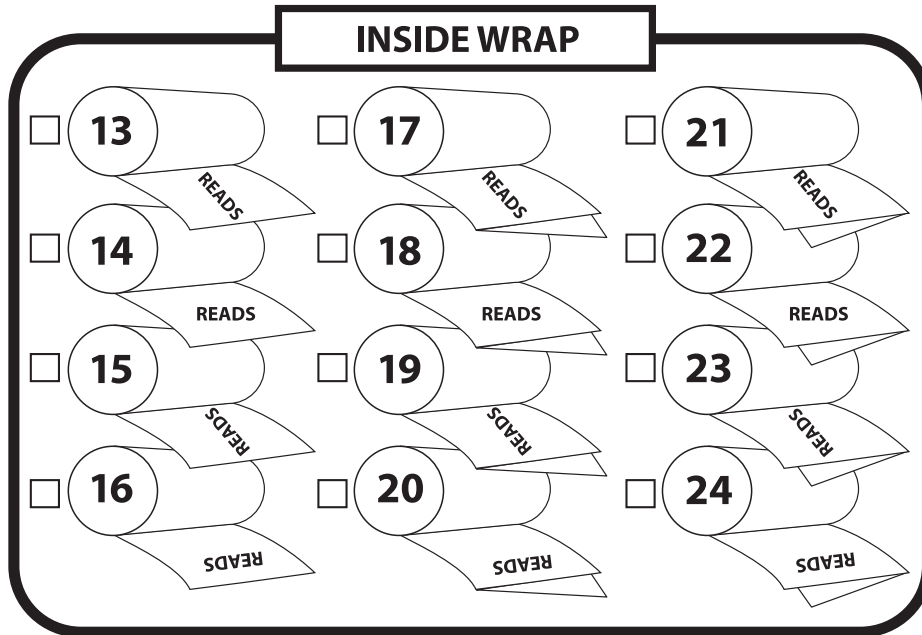
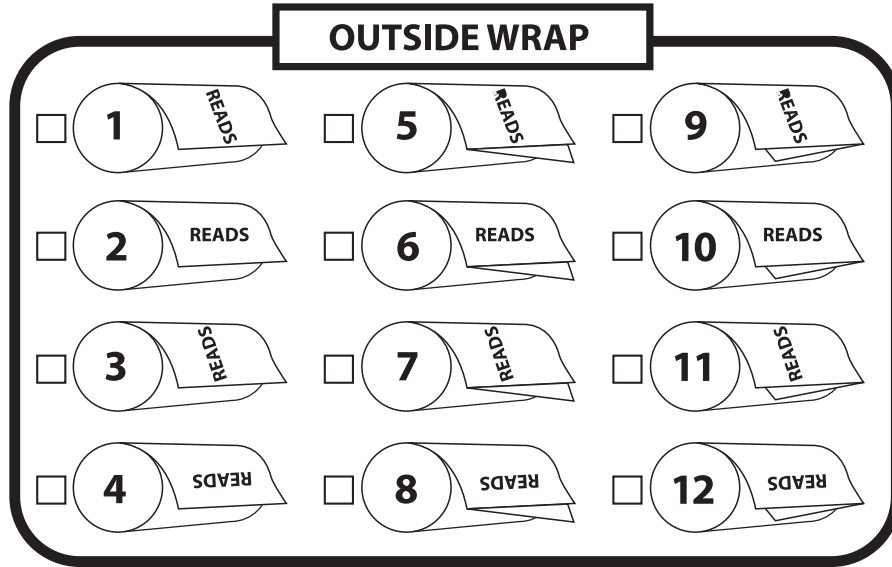
All distortions based on DuPont EFX 0.067 Thermal plates

Cylinder Size
14
14.5
15
15.5
15.75
16
17
17.75
18
19
20
21
22
23
24
25
26
27
28
29
31

Distortion
97.22%
97.31%
97.40%
97.49%
97.53%
97.57%
97.71%
97.81%
97.84%
97.95%
98.05%
98.14%
98.23%
98.31%
98.38%
98.44%
98.50%
98.56%
98.61%
98.66%
98.74%



FINISHED ROLL UNWIND CHART



<p style="font-size: small; margin: 0;">Specializing in Custom Printed Flexible Packaging</p> <p style="font-size: x-small; margin: 0;">Tel: (705) 436-4442 Fax: (705) 436-6771 Toll Free: 888-436-4444 www.tempoplastics.com</p> <p style="font-size: x-small; margin: 0;">2337 Industrial Park Road, Innisfil, Ontario L9S 3V9</p> <p style="font-size: x-small; margin: 0;">At Tempo Plastics Limited we strive to produce a quality product for our valued customers. Please note that our unwind numbers may differ from other Printers. It is important that you review this chart as it is your responsibility to ensure that this chart meets your requirements. If you are uncertain please contact your Account Manager.</p>	<p>DESIGN NAME & CODE: _____</p> <p>REQUIRED UNWIND NO: _____</p> <p>APPROVED BY (PRINT): _____</p> <p>SIGNATURE: _____</p> <p>DATE: _____</p>
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For any further technical information contact:

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