

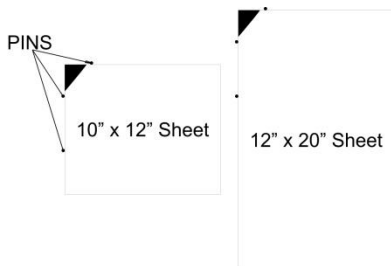
Printing on Metalphoto®

▶ Print Setup

- ◆ Set up your printer and print file using the instructions provided by your printer's manufacturer
- ◆ Verify the zero point on the printer (x,y) is set properly for registration purposes
- ◆ Setup your Metalphoto® image file. The color layer to be printed must be separate from the black image layer. Export each layer separately, creating an image film for Metalphoto® and a PDF file for printing color
- ◆ If bleeding or running of the ink occurs before sealing, adding dry time between passes or lowering the print head assembly should alleviate the problem. If noticed after sealing, check for proper temperature of the bath, and that the ink is dry before sealing

| DuraJet Print Mode | Recommended Images | %Ink Laydown | Production Time (one 12x20 sheet) |
|--------------------|---|--------------|-----------------------------------|
| Normal Mode | For images with large text or where production time is critical; also for adding spot color to Metalphoto | Low | ~10 minutes |
| High-Speed Mode | Lowest resolution mode; add spot color to Metalphoto or solid color printing | Low | ~2 minutes |

- ◆ In a darkroom, remove Metalphoto® from sealed pouch
- ◆ When imaging Metalphoto®, register the plate and film to the upper left-hand corner
- ◆ Image, develop and rinse the Metalphoto® plate but do not seal. Hang or use a heat gun to dry before printing
- ◆ Metalphoto® sheets should be flat on the print bed. Apply graphic art tape or other non-aggressive adhesive tape if necessary. Do not use any tacky hold-down mats. These may adhere to DuraJet™
- ◆ When using other dye-based solvent ink printers, print speeds and times will vary from DuraJet™ print modes. Print modes from other manufacturers have not been tested with Metalphoto® for optimal performance



▶ Use DuraJet™ Modes for Adding Color

- ◆ Use the DuraJet™ Print Modes listed above based on your imaging application

▶ Printing on Metalphoto®

- ◆ Register the plate from the same corner used while imaging as previously described, then seal and rinse

▶ Sealing Metalphoto®

- ◆ To prepare sealing bath, mix 1 part Sealing Concentrate with 24 parts distilled or de-ionized water in a 10X12 or 12X20 Sealing Tank
 - 🔥 Do not use tap water for solution as it contains minerals which interfere with the sealing process
- ◆ Heat the solution to a rolling boil. Using stainless steel clips and rods, immerse a dry Metalphoto® plate for 15 minutes in the solution, maintaining a rolling boil and cover
- ◆ If desired, sealed plates may be polished to add a sheen or attractive luster to any signage where aesthetics are most important. To polish, pour a small amount of Metalphoto® Polish to a clean soft rag and let dry to a white film, then buff with a clean soft rag

▶ Replenishing Sealing Baths

- ◆ The volume of the sealing bath decreases due to evaporation as it boils. Replenish the

volume with distilled or de-ionized water to restore the bath to the proper level

- 🔥 Do not add tap water or sealing concentrate to replenish the sealing bath

- ◆ The sealing bath will normally last for 1 to 2 weeks of use. How long the sealing bath lasts should depend on the number of plates actually sealed. One gallon of working strength (1:24) sealing solution will seal 30-10X12 plates or 15-12X20 plates assuming no contamination

▶ Handling

- ◆ When handling a Metalphoto® plate, avoid touching the print surface until after it has been sealed. The unsealed plate will permanently accept fingerprints, dirt and other contaminants. Handle by the sides of the plate

▶ Storage

- ◆ Metalphoto® has a shelf life of at least 5 years when left in its sealed pouch at room temperature (70°F) and relative humidity of 50%

▶ How to Order

- ◆ Call 1-800-482-7758 or visit our website at HorizonsISG.com

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