

## GO dMax 4 Inkjet Film FAQs



**Q.** How did GO (Graphics One) become involved in the manufacturing of inkjet color separation film?

**A.** GO has been distributing Wasatch SoftRIP SP (screen print) on an international basis since it was launched. Since a special film is required for the SP application, film availability is a must. Many of our customers had problems obtaining proper film for this application and requested our help in obtaining film. This was the genesis of dMax 4 film.

**Q.** Is GO the manufacturer of this product line?

**A.** GO has formed a partnership with one of the larger film and coating manufacturers in the world to produce dMax 4. The research scientist who developed the coating for GO is a contract partner and holds a patent on the coating technology used in GO dMax 4 film.

**Q.** What is the difference between dMax 4 and other lower quality films?

**A.** Many film products offered for inkjet separations are simply normal films pressed into service as film-positive separations. Normal film lacks the dimensional stability, humidity resistance and ability to image densities high enough for color separations.

**Q.** What are the most important questions to ask to determine if other films offer the capabilities of dMax 4?

- Is the film water resistant?
- Is the coating microporous?
- Does the film use OptiCoat 6 layer technology?
- Does the film offer a density high enough for imaging screens?
- Is the film archivable for reuse?
- Is the film stable enough?

# MARKETING FAQs

**Q.** Why is it important to have a microporous coating on color separation film?

**A.** Microporous coating technology provides higher ink absorption resulting in higher density and a faster drying time. Microporous coatings differ from smooth coatings in that there are an infinite number of “pores” where the ink can embed itself in the coating.

**Q.** Why does a user need waterproof film?

**A.** The film can be reused to reburn screens and also protects against accidental spills.

**Q.** How can a user tell which side is the printable side?

**A.** One side is smooth the other has a texture feeling. The textured side is the inkjet receptive side. The smooth side is just the carrier sheet and is not inkjet receptive.

**Q.** What are the special features of dMax 4?

**A.** The special features of dMax 4 OptiCoat technology are as follows:

- Waterproof
- Microporous
- High density
- Fast drying
- Dimensionally stable
- High resolution for fine lines and halftones
- Archivable
- Universal coating
- Roll and sheet
- Multiple sizes

**Q.** Why is the six layer Opticoat technology different than other films?

**A.** GO's dMax 4 starts with a 4 mil polyester film base for dimensional stability with the back coated with an antistatic layer. The front layer starts with a density primer for enhancing density, an ink absorption layer, a waterproof layer followed by a microporous coating. The Opticoat technology results in an outstanding inkjet color separation film not offered by others.

**Q.** What type of inks can be used with dMax 4?

**A.** GO's dMax 4 works with both piezo and thermal inks. Generally dMax 4 was formulated to work with dye ink, but also works with pigment inks.

**Q.** Does a user need a special ink for dMax 4?

**A.** No, a special ink is not required for use with GO dMax 4 ink. As a general rule, dye ink works better with microporous film than pigment inks.

# MARKETING FAQs

**Q.** Why does GO offer dMax 4 Ink if a special ink is not required?

**A.** For those users who are doing high volume color separations, it is best to use GO's dMax 4 ink for the following reasons:

- Self dispersing technology includes resin bonds which forms a chemical bond with the film making it scratch resistant
- Fast drying
- Water resistant
- Particle size of pigment is between 50~60 nanometers so it penetrates the microporous coating providing a higher density than dye ink
- Provides higher density due to UV enhancers
- Longer life expectancy

**Q.** Are there any registration issues inherent in the use of an inkjet film?

**A.** The accuracy or registration is dependent upon the inkjet printer being used. This is different with printers using thermal or laser printheads where heat can cause registration errors. The 4 mil film base is as dimensionally stable as traditional graphic arts film.

**Q.** Do different screens, such as stochastic or traditional dot centered rosettes, work well with dMax 4?

**A.** There are no issues with different types of screens as long as the film has been linearized properly.

**Q.** Can dMax 4 be manufactured to a custom size?

**A.** Yes, but it is dependent upon quantities desired. Please call GO sales.

**Q.** Which RIP do we recommend for this application?

**A.** GO only recommends Wasatch SoftRIP SP for this application. SoftRIP SP has little competition in this application area.