

MAGIC® PRODUCT APPLICATIONS GUIDE

BPC12UV

POLYCARBONATE BACKPRINT FILM

InteliCoat



Digital Imaging
Substrates

MAGIC® BPC12UV is a clear backprint polycarbonate film that is designed to offer exceptional print performance on UV cure printing systems using flexible ink sets. By reverse imaging on the smooth surface, the polycarbonate surface protects the image while its texture naturally diffuses light and cuts glare. The stiffness of the polycarbonate base makes it easy to slide into display boxes or to make panels for rigid displays.

PHYSICAL PROPERTIES

Caliper11 mil	
% Opacity12	
Transmission90	
Gloss of Film Side (view side) (60°)11	
Optimum Printing Environment70°F (30-70% RH)	
Life Expectancy as Backlit12 months	

*Product life is dependent on strength of light source and distance from light source.

APPLICATION GUIDELINES

- Imaging:** The print side is the smooth side and is wound to the outside of the roll. Images need to be reversed printed on the smooth side.
- Printer and Ink Compatibility:** BPC12UV is designed to offer exceptional print performance on UV cure printing systems using flexible ink sets.
- Waterfastness:** This product is considered water resistant. Condensation in a light box could cause a small amount of ink bleed. Lamination with edge sealer is the best way to ensure complete waterfastness.
- Material Handling & Storage:** Lamination is the best way to protect the image from scratches and condensation. After use, the unused roll should be stored in its original packaging in the poly bag at 59-86°F /15-30°C and 30-70% RH.

INSTALLATION RECOMMENDATIONS

- Lamination:** Cold pressure-sensitive overlaminates are recommended. For additional lamination tips, download the film lamination technical bulletin.
- Image protection:** Print a mirror image of the graphic on the smooth side of the product and view from the film side. This protects the inks imaged on the surface in the light box, exposing the durable polycarbonate film surface to any outside elements.
- Lighting:** To optimize image appearance, the image should be back illuminated, as the transmitted light yields the desired ink densities. A frosted pexiglass / acrylic layer situated over the light box bulbs to avoid hot spots.

RECYCLE AND DISPOSAL



Disposal by recycling of ink jet media is the preferred method. Where recycle markets do not exist, disposal by land-fill or an approved incinerator is acceptable. See the Magic Recycle Technical Bulletin @ www.magicinkjet.com.