PH240G / PH240S
Universal Resin-Coated Papers

Outré
Beyond Your Expectations

Outré ink jet materials are manufactured to meet or beat original equipment manufacturer's specifications. **PH240G** and **PH240S** are the latest next-generation resin-coated photobase papers for high speed, thermal and piezo water-based ink jet printer systems, with dye and pigmented inks. The universal coating provides vibrant colors and instant dry times, even with pigmented inks. These products will produce long-lasting, stable, ink jet images never before possible with dye-only compatible media. These photobase papers are available in both gloss and satin finishes.

Physical Properties

	PH240G	PH240S
Gloss (60°)	46%	25%
Caliper	10 mils	10 mils
Basis Weight	240 g/m^2	240 g/m^2
Whiteness	106	106
Brightness	92	92
% Opacity	97%	97%

Application Guidelines

Printer and Ink Compatibility: PH240G/S products can be used on most thermal and piezo water-based printing systems such as: Hewlett-Packard DesignJet®, Epson Stylus®, Mimaki, Mutoh, and Roland. Both dye and pigmented inks can be used. Ink dry times will be dependent on ink saturation level and humidity.

Product	Epson		Canon		HP5000/5500		Roland/Mimaki/Mutoh Water-Based	
	Dye	Pigment	Dye	Pigment	Dye	Pigment	Dye	Pigment
PH240G	•	•	•	•	•	•	•	•
PH240S	•	•	•	•	•	•	•	•

Printer Settings: To optimize print quality, printers should be set for the highest print quality or photobase print mode. The recommended media settings are: "Durable Gloss UV" in HP5000 series, "High Gloss Photo" for HP1000/2000/3000 series, and "1440 dpi" of "Photo" mode for water-based piezo printers. The recommended maximum ink saturation level is 200-225% for all printer types. Ink saturation limits can vary due to ink types, ink drop volume and humidity, so ink saturation levels should be optimized for specific printer, ink and software combinations. Over saturation will result in paper cockle and possibly head strike. PH240G/S products work best in an environment between 18-30°C or 65-86°F and between 20-80%RH. Longer ink dry times will occur at higher RH environments.

Color Calibration: ICC color profiles will be available for selected RIP, ink and printer combinations on the **www.myoutre.com** web page. Profile solutions will be continually generated, so consult the web page for current availability.

Image Stability: Pigmented inks offer a more stable image from light & oxidative fade. Due to the nature of microporous coatings, dye-based ink images will fade quicker than images printed on non-microporous coatings. The fade can be avoided if prints are laminated after printing, which prevents the oxidation related fade.

Material Handling: Careful handling after printing is recommended.

Finishing Recommendations

Lamination: This product can be over-laminated with most cold laminates and low temperature laminates, but cold are preferred and give better adhesion results. When the paper is over-laminated with heavy gauge laminates and either mounted to a board or encapsulated, over-lap the image with a 0.25 inch safe edge of laminate. This will seal the paper, preventing moisture absorption and paper splitting from the undue stress of the heavy gauge laminating films. Use laminates of equal gauge when encapsulating to prevent image curl. Over-laminating will decrease the rate at which the images fade, but due to the optical characteristics of the material, dye-based ink density may appear less vibrant when laminated. Lamination can be done immediately after printing as long as the image is dry to touch, where inks do not smudge or smear to the touch. Avoid direct contact of image side to lamination rolls as sticking may occur.

Mounting: Cold, pressure-sensitive adhesives typically provide the most aggressive bonds and are recommended for use with this product.

#1 Network

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