

ENDURANCE

WATER BASED INKJET PRINTING INK

INTRODUCTION

ENDURANCE is a water-based dye-pigment inkjet ink series formulated using patented technology. It is designed for use in wide format aqueous inkjet printers from manufactures such as Epson®, Mutoh®, Mimaki®, Océ® and Roland®. Due to its hybrid nature Endurance offers an excellent compromise between the bright colors of photo dye inks and the lightfastness of pigment inks. Pemla's 30 plus years of experience producing liquid inks assure inks of highest quality, while at the same time offering you significant savings over purchasing inks from the printer manufacturer.

CHARACTERISTICS

- Clean, bright colors produce one of the widest gamuts in the industry
- Carefully controlled surface tension and viscosity permits fine dot structure with very low dot gain on most substrates
- Dense black does not produce 'bronzing' effects on photo and gloss papers meaning separate matte and photo blacks are not required
- Reduced humectant levels mean lower risk of outgassing under glass
- Pemla recommends the use of color profiles and a suitable raster image processor for best results

SUBSTRATES

- Most matte papers
- Most photo and gloss papers
- Most printable fabrics and canvasses
- Best results are obtained when printed on substrates that have been coated or infused with inkjet receptive formulation
- Pemla recommends spray application of top coating on any inkjet ink containing dyes

TYPICAL APPLICATIONS

- General inkjet printing
- Photo and art reproduction
- Commercial inkjet printing and color proofing
- Recommended for indoor poster work

BASE COLORS

Cyan	PHAP000C90400
Magenta	PHAP000M90401
Yellow	PHAP000Y90402
Black	PHAP000K90403
Light Cyan	PHAP00LC90404
Light Magenta	PHAP00LM90405
Light Black	PHAP00LK90406
Light Light Black	PHAP00LLK90407

TECHNICAL DATA

Viscosity	2.5 – 3.5 mPas
pH	8.0 - 8.5
Surface Tension	28- 32 dynes/cm ²
Filtration	Sub 1.0 microns using medical/ pharmaceutical grade filtration units
Colorants	Dyes and pigments
Clean up	Use Pemla EDI Cleaning Fluid
Shelf Life/Storage	Product should be stored at room temperature

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