

EVOLUTION II EM

WATER BASED INKJET PRINTING INK

INTRODUCTION

Evolution II EM was developed for use in those applications requiring faithful reproduction of color such as the prepress proofing industry. Evolution's formulation uses dyes to deliver an exceptionally wide color gamut and patented technology to increase drying speed and the range of suitable media. Evolution II EM can be used on wide format aqueous inkjet printers from manufacturers such as Epson®, Mutoh®, Mimaki® and Roland®. 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

- Colors are designed for easy replacement of conventional pigmented inks
- Clean, bright colors produce one of the widest gamuts in the industry
- Allows proofers to reach shades such as reflex blue that are normally impossible with pigmented inks
- Carefully controlled surface tension and viscosity permits fine dot structure with very low dot gain on most substrates
- To achieve the full potential of Evolution's wide and extended gamut Pemla recommends the use of color profiles and suitable RIP software

SUBSTRATES

- Most matte papers
- Most photo and gloss papers
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- Best results are obtained when printed on substrates that have been coated with special inkjet receptive formulation

TYPICAL APPLICATIONS

- Commercial inkjet printing and color proofing
- Photo and art reproduction
- Not recommended for 'archival' work

BASE COLORS

| | |
|-------------------|----------------|
| Cyan | PDAP000C90200 |
| Magenta | PDAP000K90203 |
| Yellow | PDAP000Y90202 |
| Black | PDAP000K90203 |
| Light Cyan | PDAP00LC90204 |
| Light Magenta | PDAP00LM90205 |
| Light Black | PDAP00LK90206 |
| Light Light Black | PDAP00LLK90207 |
| Red | PDAP000R90304 |
| Green | PDAP000G90305 |
| Blue | PDAP000B90306 |
| Orange | PDAP000O90308 |

TECHNICAL DATA

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|--------------------|--|
| Viscosity | 2.5 - 3.5 mPas |
| pH | 8.0 - 8.5 |
| Surface Tension | 28- 32 dynes/cm ² |
| Filtration | Medical grade equipment that guarantee no particles larger than 1.0 microns. |
| Colorants | Soluble dyes |
| Clean up | Use Evolution Cleaning Fluid JDW100-MC |
| Shelf Life/Storage | Product should be stored at room temperature |

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