



## PPE INK SERIES

### PROPERTIES

The PPE ink series is a fast-drying, glossy ink designed for treated corrugated polypropylene plastic. It has little to no odor and dries into a tough resilient film. It also allows for easy printing, due to its high adhesion.

### PRODUCT RANGE\*

Product Name	Product Code	Product Name	Product Code
PPE Reducer	PPER - 100	Magenta	PPE - 315
PPE Slowdry Reducer	PPER - 200	Pthalo Blue	PPE - 400
PPE Retarder	PPER - 500	Violet	PPE - 402
White	PPE - 100	Black	PPE - 500
Chrome Yellow	PPE - 200	Gold	PPE - 600
Lemon Yellow	PPE - 201	Silver	PPE - 601
Primrose Yellow	PPE - 202	Pale Gold	PPE - 602
Dark Red	PPE - 300	Orange	PPE - 700
Bright Red Indoor	PPE - 309	Green	PPE - 800

\* The colors listed are the basic ink shades only. Customized colors may be provided upon request.

### APPLICATION AND COMPATIBLE MATERIALS

PPE Ink is typically used for polypropylene type of plastics, such as in the form of sheets, folders, corrugated boards and plastic cups. It may be used for a wide-range of indoor and outdoor applications, depending on the color to be used.

### DILUTION

The PPE ink series is considered a ready to use product of low viscosity. However, in cases where thinning is required, the PPE ink's viscosity may be adjusted with the use of PPE

Reducer, Slowdry Reducer, or Retarder (PPER-100, PPER-200, PPER-500). The allowable concentration of reducer to be added is within 10 to 15% of the original product.

### SCREEN PRINTING PROCEDURE AND CLEANING

Varying mesh sizes may be used for different applications:

- For printing sharp and fine detailed objects, a fabric with 120 threads/inches is recommended.
- For high opacity printing, 100 threads/inches fabric may be used, given that it is a solvent resistant stencil.

To ensure best possible results:

- The screen mesh must be stretched with high tension to prevent the occurrence of off-shoot.
- The squeegee must be 70 to 75 degrees shore and well sharpened.
- The frame must be off-contact in order to achieve a well-detailed painting.

For cleaning:

- Use PPE Reducer (PPER – 100) for cleaning the screen mesh.
- Clean the screen after every use to avoid blockage of ink.

### STORAGE

PPE Ink must be stored in a dry and well-maintained environment, with the temperature not exceeding 25 to 30 degrees Celsius. The product has a guaranteed shelf-life of up to one year from the date of manufacture, considering it remains undiluted in its original container.

### HEALTH AND SAFETY

The product is considered non-hazardous when used in a safe working environment, following proper handling protocols and having a well-ventilated working area. For safety, ensure that the guidelines given in the Materials Safety Data Sheet (MSDS) is followed.

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### **WARNING**

The manufacturer, Perma Colour Inc., guarantees the quality of the product. All the stated information is given in good faith. The technical instructions given may serve as a guide, but the company does not guarantee nor promise specific results. The obtained results vary on other factors, including the operator's procedures and handling of the product. The company's responsibility is limited solely to the exchange of the ink or varnish product. Furthermore, in the use of the product for substrates not mentioned in this guide, it is recommended to conduct small-scale testing before mass production to ensure the compatibility of the ink.