



PLASTIC CUP INK SERIES

PROPERTIES

The plastic cup ink series is a fast-drying, glossy ink specially designed for plastic containers that are used for holding both hot and cold fluids. 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
CPI Reducer	CPR - 100	Blue	CPI - 400
White	CPI - 100	Violet	CPI - 401
Lemon Yellow	CPI - 201	Black	CPI - 500
Magenta Base	CPI - 300	Rich Gold	CPI - 601
Bright Red	CPI - 301	Orange	CPI - 700
Dark Red	CPI - 302	Green	CPI - 800

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

APPLICATION AND COMPATIBLE MATERIALS

Plastic Cup Ink is typically used for polypropylene (PP) or polyethylene terephthalate (PET) type of plastics, specifically those used in plastic cups. They can be used for a variety of liquids, ranging from hot to cold. They are often used for commercial drinking products, such as beverages like coffee, tea, etc.

DILUTION

The plastic cup ink series is considered a ready to use product of low viscosity. However, in cases where thinning is required, the plastic cup ink's viscosity may be adjusted with the use of CPI Reducer (CPR- 100). 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 CPI Reducer (CPR - 100) for cleaning the screen mesh.
- Clean the screen after every use to avoid blockage of ink.

STORAGE

Plastic Cup 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.

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.