



## VINYL GLOSS INK SERIES

### PROPERTIES

The vinyl gloss ink series is a fast-drying, high visual impact glossy ink with excellent flexibility and printability. This ink can be used for fine detail printing and reverse printing. It is resistant to alcohol and may be used for a wide range of indoor and outdoor applications.

### PRODUCT RANGE\*

Product Name	Product Code	Product Name	Product Code
Vinyl Reducer	VR - 1	Pthalo Blue	VGI - 400
Vinyl T. Retarder	VR-10	Royal Blue	VGI - 401
Vinyl Premium Reducer	VR - 15	Dark Blue	VGI - 402
Vinyl/Charol Premium Reducer	VR - 17	Bright Blue	VGI - 403
Vinyl Retarder	VR - 2	Ultra Blue	VGI - 404
Screen Wash	VR - 3	Violet	VGI - 407
White	VGI - 100	Black	VGI - 500
Silver	VGI - 101	Gold	VGI - 600
Superwhite	VGI - 102	Pale Gold	VGI - 601
Chrome Yellow	VGI - 200	Orange	VGI - 700
Lemon Yellow	VGI - 201	Dark Green	VGI - 800
Primrose Yellow	VGI - 202	Cyan Green	VGI - 801
Magenta	VGI - 300	Bright Green	VGI - 802
Bright Red	VGI - 301	Green	VGI - 803
Dark Red	VGI - 302		

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

## APPLICATION AND COMPATIBLE MATERIALS

Vinyl Gloss Ink is typically used for substrates made out of polyvinyl chloride (PVC) plastics, such as PVC stickers, films, sole, and extrude PVC form. It can also be used for paper, wood, polycarbonate, and ABS acrylic sheet.

## DILUTION

The vinyl gloss ink series is a product of moderate viscosity. The viscosity of vinyl gloss ink may be lowered by adding vinyl reducers (VR-15, VR-19 or VR-17). The allowable concentration of reducer to be added is within 10 to 20% of the original product. VR-15 and VR-19 is recommended as a fast drying, low odor reducer, while VR-17 is a slow-drying, low odor reducer.

## 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, 77 threads/inches to 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 solvent VR-3 for cleaning the screen mesh.
- Clean the screen after every use to avoid blockage of ink.

## STORAGE

Vinyl Gloss 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.