



PERMA COLOUR INC.
MANUFACTURER OF SILKSCREEN INKS AND SERVICES

VINYL SATIN INK SERIES

PROPERTIES

The vinyl satin ink series is a fast-drying, high satin ink with a matte finish. 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 due to its high coverage power.

PRODUCT RANGE*

Product Name	Product Code	Product Name	Product Code
Vinyl Reducer	VR - 1	Royal Blue	VSI - 401
Vinyl T. Retarder	VR-10	Dark Blue	VSI - 402
Vinyl Premium Reducer	VR - 15	Bright Blue	VSI - 403
Vinyl/Charol Premium Reducer	VR - 17	Ultra Blue	VSI - 404
Vinyl Retarder	VR - 2	Violet	VSI - 405
Screen Wash	VR - 3	Black	VSI - 500
White	VSI - 100	Gold	VSI - 600
Superwhite	VSI - 102	Silver	VSI - 601
Chrome Yellow	VSI - 200	Pale Gold	VSI - 602
Lemon Yellow	VSI - 201	Orange	VSI - 700
Primrose Yellow	VSI - 202	Dark Green	VSI - 800
Magenta	VSI - 300	Cyan Green	VSI - 801
Bright Red	VSI - 301	Bright Green	VSI - 802
Dark Red	VSI - 302	Green	VSI - 803
Pthalo Blue	VSI - 400		

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

APPLICATION AND COMPATIBLE MATERIALS

Vinyl Satin 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 satin 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 Satin 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.