



VCT INK SERIES

PROPERTIES

The VCT ink series is a fast-drying, semi-gloss ink with minimal odor. Due to its excellent block resistance, this ink can be readily used for large format printing. It has good light fastness (7-8 blue wool scale) and is best suited for outdoor applications due to its capacity to withstand harsh weather conditions.

PRODUCT RANGE*

Product Name	Product Code	Product Name	Product Code
VGT Extender Base	VGT - 000	VCT CMYK Pro. Magenta M	VCT - 2228
VCT CMYK Pro. Yellow C	VCT - 1111	VCT CMYK Pro. Blue	VCT - 3333
VCT CMYK Pro. Magenta C	VCT - 2222	VCT CMYK. Pro. Black	VCT - 4444

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

APPLICATION AND COMPATIBLE MATERIALS

VCT ink is compatible with a wide range of substrates. However, it is most ideal for polyvinyl chloride based types of plastics, such as tarpaulins, flexible PVC stickers, extrude PVC board, panaflex, and paper.

DILUTION

The VCT ink series is considered a ready to use product of moderate viscosity. However, in cases where thinning is required, the VCT ink's viscosity may be adjusted with the use of Vinyl Reducer (VR – 15, VR – 19, or VR-17). VR-15 and VR-19 is the recommended reducer for VCT ink, but VR-17 may be used as a slow dry reducer. Extender and transparent base (VGT-000 and VV-800) may also be added within an allowable concentration of 5 to 10%. VGT-000 may be used to lower the shade intensity without affecting the properties of the VCT ink, while VV-800 is used as the varnish for the VCT ink.

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.
- VR-15 must be added if the weather (working environment) is normal, while VR-17 may be used instead when the weather is warm to adjust the slow dry effect on the screen. The total volume to be added will depend on the atmosphere.

For cleaning:

- Use solvent VR-3 for cleaning the screen mesh.
- Clean the screen after every use to avoid blockage of ink.

STORAGE

VCT 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.