



TEXTILE INK SERIES

PROPERTIES

Textile ink is a water-based ink product that is used for garment printing due to its softer texture, while also being much safer for the environment. It applies as a thin, soft, flexible layer of ink on the cloth and dries into a thin ink deposit that has the capability to withstand countless washing. Furthermore, as a water-based ink, it requires no special drying procedures as it is easily air-dried.

PRODUCT RANGE*

Product Name	Product Code	Product Name	Product Code
Acrylic Binder	BUD - 100	Textile Pigment Violet	TPV - 01
Emulsifier	EMU - 100	Textile Pigment Black	TPK - 01
Thickener	HEF - 100	Textile Pigment Green	TGB - 01
Fixer	FUR - 100	Textile Pigment Orange	TOR - 01
Textile Extender Base	EXB - 600	Textile Pigment Luminous Pink	TLP - 01
Textile Pigment Blue	TBF - 01	Textile Pigment Luminous Blue	TLB - 01
Textile Pigment Rose Red	TDR - 01	Textile Pigment Luminous Green	TLG - 01
Textile Pigment Scarlet Red	TSR - 01	Textile Pigment Luminous Yellow	TLY - 01
Textile Pigment Yellow FR	TYF - 01	Textile Pigment Luminous Orange	TLO - 01

Textile Pigment Yellow L	TYL - 01	Textile Pigment Luminous Red	TLR - 01
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* The colors listed are the basic ink shades only. Customized colors may be provided upon request.

APPLICATION AND COMPATIBLE MATERIALS

Textile ink is used often for garments and for printing on clothing. It can be readily be used, with no dilution necessary, and is a direct to garment (DTG) type of ink. Some applications of textile ink include printing on T-shirts, backpacks, sportswear, banners, and eco-bags. It is suitable for use on cotton and polyester products.

SCREEN PRINTING PROCEDURE AND CLEANING

Varying mesh sizes may be used for different applications:

- For printing sharp and fine detailed objects, a fabric with 70-77 threads/inches is recommended.
- For high opacity printing, 40 threads/inches to 43 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.
- A rubber squeegee must be used at 60 to 65 degrees shore.
- The frame must be off-contact in order to achieve a well-detailed painting.

For cleaning:

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

STORAGE

Textile Ink must be stored in a dry and well-maintained environment, with the temperature not exceeding 25 to 30 degrees Celsius. The product (mixed ink) has a guaranteed shelf-life of up to 6 months from the date of manufacture, considering it remains undiluted in its original container. Extender base only has a shelf-life of 1 month.

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.