



PERMA COLOUR INC.
MANUFACTURER OF SILKSCREEN INKS AND SERVICES

SCRATCH-OFF INK SERIES

PROPERTIES

The scratch-off ink series is a fast drying metallic ink of high flexibility, that is easily removed by applying sufficient pressure, such as with a coin's edge. This ink dries down into an elastic film. It also leaves no ink residue when it is scratched off.

PRODUCT RANGE*

Product Name	Product Code	Product Name	Product Code
Slow-Drying Scratch-Off Reducer	SIR - 100	Silver	SI - 300
Scratch-Off Reducer	SIR - 200	Black	SI - 500
Fast-Drying Scratch-Off Reducer	SIR - 300	Gold	SI - 600

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

APPLICATION AND COMPATIBLE MATERIALS

Scratch-off ink is typically used over a sealing varnish or laminated cards, such as those found in lottery tickets, prepaid load cards, among others. It can also be layered with other screen inks to create various designs.

DILUTION

The scratch-off ink series can be diluted using SIR-200 to adjust its viscosity. In cases where slow-drying applications are required, SIR-100 may be used instead. For fast-drying purposes, SIR-300 is used instead. The thinning ratio must be 10% to 20% maximum depending on the printing condition (weather condition, humidity, etc.).

SCREEN PRINTING PROCEDURE AND CLEANING

To ensure best possible results:

- For high opacity printing, 32 threads/inches to 77 threads/inches fabric may be used, given that it is a solvent resistant stencil.
- The screen mesh must be stretched with high tension to prevent 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 printing.
- SIR-100 must be added if the weather (working environment) is normal, while SIR-200 may be used instead when the weather is warm to adjust the slow dry effect on the screen. The total volume added will depend on the atmosphere.

For cleaning:

- Use solvent SIR-100 for cleaning the screen mesh.
- Clean the screen after every use to avoid blockage of ink.

STORAGE

Scratch-off 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.