

Sericol Polyplast Inks

**Fast drying
high gloss
ink for vinyl
and plastics**

Sericol Polyplast Inks

THINNING

Stir well before every use. Polyplast should be thinned 15% to 25% with PY-TH Thinner. For hot shop conditions or slow printing applications, use PY-RT Retarder.

MESH

Polyplast prints well through 230 to 305 (90 to 120/cm) monofilament polyester fabrics.

STENCILS

Stencil materials must be solvent resistant. Dirasol 911, SuperCoat 915, and SuperCoat 916 dual cure, AST-210, AST-220, or, Dirasol 132 one pot direct emulsions are recommended to give the highest print quality and stencil durability. Solvent-adhered stencil films should not be used with Polyplast.

DRYING

Polyplast will jet dry at 130°F to 150°F (55°C to 65°C) in 15 to 20 seconds. Overprints may require additional dwell time. Polyplast requires 8 to 15 minutes to air dry.

COVERAGE

Standard line colors should yield 1,800 to 2,400 square feet/gallon (45 to 57 m²/liter) depending on film thickness.

Polyplast Inks Features

The main features are:

- High-Gloss Finish
- Safe, Low Temperature, Jet Drying
- Excellent Screen Stability and Self-Solvency
- Wide Adhesion Range
- Good Gasoline Resistance and Flexibility

WASH UP

Wash up on press with Xtend™ press washes and after the production run with Xtend™ ink degredients.

PRE-PRODUCTION TESTS

It is strongly recommended that all substrates be tested before use as supposedly similar substrates can vary between manufacturers and even between different batches from the same manufacturer.

Certain plastics may be impregnated with lubricants that, like plasticizer migration, may impair adhesion and block resistance, even a considerable period after printing. Other plastics can become brittle or caused to curl after printing.

END-USER MUST DETERMINE SUITABILITY OF THIS PRODUCT FOR THE INTENDED USE PRIOR TO PRODUCTION.

DOUBLE-SIDED DECALS

Polyplast inks may be used for the production of double-sided decals. However, due to the complex nature of this type of work, printers must satisfy themselves before starting a production run that the substrate and the production method to be used are compatible with the ink.

OUTDOOR USE

Accelerated weathering tests indicate that an exterior life of approximately three years may be expected in a temperate climate. The gloss retention of Polyplast colors may be enhanced by overprinting with PY-OP Overprint Clear.

APPLICATION AND PREMASK TAPE ACCEPTANCE

Polyplast colors and Overprint Clears exhibit excellent acceptance of application tape(s). It is essential that inks and Overprint Clears are thoroughly dry before application of premask tapes. Call Technical Service for premask recommendation.

VACUUM FORMING

Polyplast inks allow trouble-free, deep-draw vacuum forming without mold staining on PVC, ABS, CAB, and acrylics.

CO-USE WITH OTHER INKS

Polyplast may be printed over dry ink films of Plastijet XG, or Techmark™ may be printed over dry ink films of Polyplast. Polyplast may be mixed in any proportion with Plastijet XG and Techmark™. Standard Techmark colors TM-111 Lemon Yellow, TM-121 Medium Yellow, TM-141 Fire Red and TM-221 Emerald Green may be used as needed based on the follow statement.

The print and drying performance of the mixed ink will depend on the ink used with Polyplast and the proportions of the mix.

COLOR AVAILABILITY

The Polyplast color range includes five standard printing colors as well as nine Seritone Matching System (SMS) colors.

THE SERITONE MATCHING SYSTEM

The Seritone Matching System has been designed to enable printers to readily match PANTONE®* and most other colors in-house. The system consists of nine SMS base colors, each of which has been selected for its cleanliness of tone and suitability for intermixing. Using the SMS base colors plus Shading Black, Tinting White, and Mixing Clear, almost any color can be produced.

SPECIAL MATCHES

Special colors can be supplied against prints, wet ink, PANTONE®* numbers, or other Fujifilm Sericol standard colors.

*Pantone, Inc's check-standard trademark for reproduction and color reproduction.

SPECIFICATIONS:**POLYPLAST INKS****Standard Colors**

- ▶ PY-155 – Rubine Red
- ▶ PY-180 – Warm Red
- ▶ PY-190 – Process Blue
- ▶ PY-205 – Reflex Blue
- ▶ PY-210 – Ultra Blue
- ▶ PY-301 – Opaque Black
- ▶ PY-311 – Opaque White
- ▶ PY-OP – Overprint Clear

Seritone Matching System Colors

- ▶ PY-064 – SMS Yellow GS (Green Shade)
- ▶ PY-066 – SMS Yellow RS (Red Shade)
- ▶ PY-114 – SMS Orange
- ▶ PY-121 – SMS Red YS (Yellow Shade)
- ▶ PY-127 – SMS Violet
- ▶ PY-164 – SMS Red BS (Blue Shade)
- ▶ PY-165 – SMS Magenta
- ▶ PY-230 – SMS Blue
- ▶ PY-325 – SMS Green
- ▶ PY-SB – SMS Shading Black
- ▶ PY-TW – SMS Tinting White
- ▶ PY-MX – Mixing Clear

Thinners/Retarders

- ▶ PY-TH – Thinner
- ▶ PY-RT – Retarder

Storage

Containers should be tightly closed immediately after use. At the end of long printing runs, surplus ink from the screen should be disposed of. Refer to Material Safety Data Sheet (MSDS) for materials and conditions to be avoided.

In the interest of maximum shelf life, storage temperatures should be between 50°F (10°C) and 77°F (25°C). When stored under these conditions the maximum shelf life is shown by the use by dates, which are clearly marked on all ink containers.

Media Type

- ▶ Pressure Sensitive Vinyls
- ▶ Flexible and Rigid PVC Products
- ▶ Polycarbonates
- ▶ Acrylics
- ▶ ABS
- ▶ Most Top-Coated or Print-treated Polyesters

Metallic Powders

Polyplast Mixing Clear is recommended for use with metallic powders. Suggested ratios of powder and Mixing Clear are 8% by weight of silver powder and 20% by weight of gold powder. It is recommended that fresh metallics be mixed daily to prevent color shift of the finished mix.

Safety and Handling

Refer to MSDS for safety, handling, and waste disposal information.

**THE FUJIFILM GREEN POLICY**

We at Fujifilm believe that “sustainable development” of the Earth, mankind, and companies in the 21st century is an issue that must be addressed with the highest priority. As a socially responsible corporation, we actively undertake corporate activities with our environmental values in mind. We strive to be a dedicated steward of the environment and assist our customers and corporate partners in doing the same.