

S.P. ENAMEL

High Gloss Enamel Ink for Treated Polyethylene and Polypropylene

Features

- ▶ High Opacity
- ▶ High Gloss
- ▶ Excellent Screen Stability and Self-Solvency
- ▶ Low Odor
- ▶ Pad Printable
- ▶ Excellent Container Decorating Ink
- ▶ Superior Scuff Resistance

Substrate Application

Treated
Polyethylene and
Polypropylene

Some Coated
Metal

Wood

Masonite

Melamine

P.E.T.

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Thinning

Stir well before every use. S.P. Enamel should be thinned 10% to 15% with SP-960 Thinner. For hot shop conditions or slow printing applications, use SP-980 Retarder with SP-960 Thinner. Do not use Retarder alone.

The 900 Base can be used to shorten the inks for printing fine detail.

Mesh

S.P. Enamel prints well through 196 to 305 (77 to 120/cm) monofilament polyester fabrics.

Stencils

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

Drying

S.P. Enamel will jet dry at 185°F (85°C) in 5 to 7 minutes. Overprints may require additional dwell time. S.P. Enamel requires 2 hours to air dry.

A temp of 185°F is required for scuff resistance.

Coverage

Standard line colors should yield 1400 to 1600 (32 to 37 m²/liter) square feet/gallon when thinned 15% and printed through 305 (120/cm) monofilament polyester fabrics.

Wash Up

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

Pre-Production Test

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 which, 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.

Outdoor Use

S.P. Enamel will have exterior life of approximately one to two years in a temperate climate.

Product Resistance

Add 3-5% of 1101 Non-Scuff Additive or 0.5-1.0% Balanced Drier to improve abrasion resistance, especially for containers that are tumble packed.

Compatibility with Other Inks

S.P. Enamel can be mixed with Fast Dry Enamel to improve dry time or High Gloss Exterior Enamel to improve outdoor durability.

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

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Color Availability

The S.P. Enamel color range includes standard printing colors as well as matching system colors.

Metallics

SPE-901 Mixing Vehicle is to be used for mixing metallics. For Aluminum, use 8 parts Vehicle to 1 part Aluminum Powder. For Golds (Bronze), use 4 parts Vehicle to 1 part Gold (Bronze) Powder.

(NOTE: Higher levels of metallic powders may cause poor intercoat adhesion or poor rub properties.) Do not use 901 Mixing Vehicle as an extender for SP inks.

Special Matches

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

Standard Colors

SPE-150	Primrose Yellow	K-80952
SPE-152	Medium Yellow	K-80940
SPE-251	Brilliant Orange	K-80942
SPE-351	Bright Red	K-88276
SPE-450	Emerald Green	K-91693
SPE-501	Light Blue	K-52312
SPE-504	Ultra Blue	K-73288
SPE-700	Black	K-44672
SPE-800	White	K-44673
SPE-094	Extender	K-45936
SPE-901	Mixing Vehicle	K-47296

Matching System

SP-010	GS Yellow (use SP-150 Primrose)	
SP-014	RS Yellow (use SP-152 Medium)	
SP-020	Orange	K-91580
SP-031	BS Red	K-45931
SP-033	Quindo YS Red	K-85379
SP-035	Magenta	K-45933
SP-039	Violet	K-46109
SP-040	BS Green	K-45960
SP-050	GS Blue	K-45934
SP-052	RS Blue	K-45947

Thinners/Retarders

SP-950	Fast Thinner	K-14004
SP-960	Thinner	K-14003
SP-980	Retarder	K-12005

Reducers/Modifiers

	Balanced Drier	K-50893
SP-1101	Non-Scuff	K-68005

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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.

Safety and Handling

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

The information and recommendations contained in this Technical Data Sheet, as well as technical advice otherwise given by representatives of our Company, whether verbally or in writing, are based on our present knowledge and believed to be accurate. However, no guarantee regarding their accuracy is given as we cannot cover or anticipate every possible application of our products and because manufacturing methods, printing stocks and other materials vary. For the same reason, our products are sold without warranty and on condition that users shall make their own tests to satisfy themselves that they will meet fully their particular requirements. Our policy of continuous product improvement might make some of the information contained in this Technical Data Sheet out of date and users are requested to ensure that they follow current recommendations.

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