

FAST DRY ENAMEL

Fast Drying Gloss Finish Enamel Ink

Features

- ▶ High Opacity
- ▶ Good Screen Stability and Self-Solvency
- ▶ Pad Printable
- ▶ Wide Adhesion Range

Substrate Application

Glass

Wood

Some
Polystyrenes

Treated
Polyethylene
And
Polypropylene

Paper and
Coated Card

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Thinning

Stir well before every use. Fast Dry Enamel should be thinned 10% to 15% with FDE-960 Thinner. For hot shop conditions or slow printing applications, use a blend of FDE-960 Thinner and FDE-980 Retarder.

900 Base and 910 Halftone Base can be added to shorten the inks for fine detail printing.

1103 Flow Agent can be used to help improve leveling or control bubbling. Use 1 to 2% by weight.

Mesh

Fast Dry 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 emulsions are recommended to give the highest print quality and stencil durability. Solvent-adhered stencil films should not be used with Fast Dry Enamel.

Drying

Fast Dry Enamel will jet dry at 185° F (85°C) in 5 minutes. Overprints may require additional dwell time. Fast Dry Enamel will air dry in 20 to 30 minutes.

Coverage

Standard line colors should yield 1400 to 1600 square feet/gallon (32 to 37 m²/liter) 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 after printing.

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

Compatibility with Other Inks

S.P. Enamel and High Gloss Exterior Enamel can be added to retard dry and improve adhesion, flexibility, and durability.

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Color Availability

The Fast Dry Enamel color range includes standard printing colors as well as matching system colors.

Metallics

The 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.)

Special Matches

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

Standard Colors

FDE-150	Primrose Yellow	K-90219
FDE-152	Medium Yellow	K-90346
FDE-251	Brilliant Orange	K-91408
FDE-350	Fire Red	K-76878
FDE-351	Bright Red	K-90072
FDE-450	Emerald Green	K-90222
FDE-501	Light Blue	K-35048
FDE-504	Ultra Blue	K-71299
FDE-700	Black	K-34780
FDE-800	White	K-34797
FDE-801	Opaque White	K-41158
FDE-900	Base	K-36246
FDE-901	Mixing Vehicle	K-35144
FDE-1000	Overprint Clear	K-40310

Matching System

FDE-010	GS Yellow	K-90149
FDE-014	RS Yellow	K-90151
FDE-022	Orange	K-91562
FDE-030	YS Red	K-77737
FDE-031	BS Red	K-77738
FDE-033	Quindo YS Red	K-52377
FDE-034	Quindo BS Red	K-77739
FDE-038	Magenta	K-77740
FDE-039	Violet	K-77741
FDE-040	BS Green	K-77743
FDE-050	GS Blue	K-77742
FDE-052	RS Blue	K-39366
FDE-700	Black	K-34780
FDE-800	White	K-34797
FDE-094	Extender	K-77746

Thinners/Retarders

FDE-950	Fast Thinner	K-14004
FDE-960	Regular Thinner	K-14003
FDE-980	Retarder	K-12005

Reducers/Modifiers

FDE-910	HT Base	K-52376
FDE-1103	Flow Agent	K-92666

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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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