

ZEPHYRLON

SOLVENT

A Flexible Fast Drying Multipurpose Ink

Features

- High Opacity
- Pad Printable
- Excellent Scuff Resistance
- Safe, Low Temperature, Jet Drying
- Very Wide Adhesion Range
- Excellent Flexibility

Substrate Application

Media Type
Nylon Fabric
Tyvek
Urethanes
Coated Paper and Card
Corrugated Cardboard
Some Polycarbonates
ABS

Thinning

Stir well before every use. Zephyrlon inks are designed to be thinned at least 10% to 15% with any combination of ZL-960 Thinner, ZL-970 Slow Thinner, and ZL-980 Retarder.

Mesh

Zephyrlon prints well through 196 to 305 (77 to 120/cm) monofilament polyester fabrics. It can also be pad printed.

Stencils

Stencil materials must be solvent resistant. Solvent-adhered stencil films should not be used with Zephyrlon.

Drying

Zephyrlon will jet dry at 130°F to 150°F (55°C to 65°C) in 20 to 30 seconds. Zephyrlon requires 15 - 20 minutes to air dry, depending on ink deposit and substrate.

Coverage

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

Wash Up

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

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.

Outdoor Use

10% ZL-1104 Catalyst should be added when printing nylon banners or flags that will be displayed outdoors to improve weatherability and water resistance. Addition of catalyst will shorten the pot life of mixed ink. Mix only enough for the production run.

Compatibility With Other Inks

Zephyrlon can not be mixed with any other inks. Note: Zephyrlon 801 Opaque White is highly pigmented and not recommended for nylon or flexible applications.

Color Availability

The Zephyrlon color range includes standard printing colors as well as matching system colors.

Product Information

ZEPHYRLON

The Matching System

The Matching System has been designed to enable printers to readily simulate most colors in-house. The system consists of eleven base colors, each of which has been selected for its cleanliness of tone and suitability for intermixing. Using the base colors plus Shading Black and Mixing Clear, almost any color can be produced.

Special Matches

Special colors can be supplied against prints, wet ink, or other Nazdar Standard colors.

Standard Colors

ZL-150	Primrose Yellow	K92195
ZL-152	Medium Yellow	K92196
ZL-251	Brilliant Orange	K57275
ZL-350	Fire Red	K92199
ZL-351	Bright Red	K92200
ZL-450	Emerald Green	K92202
ZL-501	Light Blue	K84955
ZL-504	Ultra Blue	K78946
ZL-700	Black	K55716
ZL-800	White	K55590
ZL-801	Opaque White	K70126
ZL-901	Mixing Clear	K55515
ZL-094	Extender Base	K78525

Seritone Matching System Colors

ZL-010	GS Yellow	K78516
ZL-014	RS Yellow	K78517
ZL-020	Orange	K92205
ZL-030	YS Red	K78518
ZL-031	BS Red	K78519
ZL-038	Magenta	K78521
ZL-039	Violet	K78522
ZL-040	BS Green	K78524
ZL-050	GS Blue	K78523
ZL-052	RS Blue	K89313
ZL-070	Shading Black	K80502

Thinners/Retarders

ZL-960	Thinner	K18000
ZL-970	Slow Thinner	K83965
ZL-980	Retarder	K67020
ZL-1104	Catalyst	K45500

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.

Nazdar Ink Technologies
8501 Hedge Lane Terrace, Shawnee, KS 66227 USA
1-800-677-4657 | +1 (913) 422-2255
www.nazdar.com | NazdarOrders@nazdar.com

NAZDAR
INK TECHNOLOGIES