

evolve

Printex Monthly News Bulletin
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Issue 74

- The successful warrior is the average man, with laser like focus.
~ Bruce Lee
- The scariest moment is always just before you start.
~ Stephen King
- The ability to observe without evaluating is the highest form of intelligence. ~ J. Krishnamurti

- Concentrate all your thoughts upon the work at hand.
The sun's rays do not burn until brought to a focus.
~ Alexander Graham Bell
- Start where you are. Use what you have.
Do what you can. ~ Arthur Ashe



**Action may not always bring happiness;
but there is no happiness without action**

~ Benjamin Disraeli

Digital Textile

Pro-Jet Disperse inks NEW

Features

- High performance Aqueous inkjet inks.
- Custom designed for a wide range of uses, including textiles, packaging, industrial manufacturing and commercial printing.
- High throughput
- Single pass inkjet printing
- Excellent reliability during jetting and full printhead material compatibility.
- High reliability in jetting and overall ease of use.

pro-jet[™]

FUJIFILM
INKJET
TECHNOLOGY

TEST INKS ON SUBSTRATES
BEFORE PRODUCTION RUN

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Value from Innovation

Inkjet Inks



Pro-Jet DIT water based disperse inks are specifically designed to print on cotton and Silk fabric. These inks are customised for inkjet printing.

Colour range

DIT 004	Black
DIT 052	Yellow
DIT 135	Magenta
DIT 215	Cyan

Printheads

Fujifilm Dimatix Star Fire 1024A.

Fabrics

Polyester

Printing condition

To obtain best results from Pro-Jet inks, fabric must be printed under optimal temperature conditions, ranging from 20-25°C to 66-77°C at 40-60% humidity.

Fixation

190°C / for 75 seconds.

Washing off

Rinse 5 mins with cold water, soak for 20 mins at 90°C / 194°F with washing chemicals. Then rinse for 5 mins with cold water.

Note : Suitable handle to be established at client site.

All purchase of Pro-Jet DIT ink products are subject to Fujifilm Imaging Colorant Inc ("Fujifilm") standard terms of sales unless otherwise specifically agreed in writing. Fujifilm doesn't warrant that these products will be suitable for any particular purpose, or that these products are compatible with all pre treatment solution or will achieve optimal results, in all application conditions. Each buyer is responsible to determine whether these products are suitable for any given instance. Buyers of these products should follow printer manufacturer instructions, and recommendations involving all aspects of ink product use.

Safety Notice : To ensure the safe use of this product, refer to the product safety data sheet (SDS). the SDS contains detailed information on the hazard classification, precautionary statements, chemical properties, toxicological information, shipping information as well as other pertinent information.

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FUJIFILM

Fujifilm Sericol India Pvt Ltd

10/11,B.U.Bhandari Industrial Estate,

Taluka Shirur, Sanaswadi, Pune District - 412208. India

Tel: +91(2137) 392500. Fax: +91(2137) 392555.

www.fujifilmsericol.in

Graphic Screen UV

OPV

Special effect UV Overprint Varnishes

UV Screen Varnishes

UV Screen special effect overprint varnishes
for Graphic & Packaging printing applications

FEATURES

- One pack system
- Suitable for Machine & Manual Printing
- Suitable for printing on Sericol UV Inks like Seripak SB

Substrate:

Offset printed Paper & Boards.

**TEST INKS ON SUBSTRATES
BEFORE PRODUCTION RUN.**

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More than ink...Solutions.
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Applications:

UV Overprint Varnishes especially designed to enhance finishing of prints like Gloss finish, Matt finish, Structured finish, Bubble finish, Wrinkle finish, Fragrance finish, Glitter finish, Creasable finish, Abrasive finish, Laminate Reflective finish etc.

Important: End-user must determine suitability of this product for the intended use prior to production.

Overprint Varnishes:

Code:	Description	Mesh
UVI500	Special Gloss Varnish	150 T
UVI505	Gloss Varnish	120 T
UVI510	Matt Varnish	120 T
UVI520	Wrinkle Varnish	79 T
UVI530	Fragrance Varnish	120 T
UVI540	Glitter Varnish	120 T
UVI550	Creasable Varnish	120 T
UVI560	Bubble Varnish	79 T
UVI570	Laminate Reflective Varnish	150 T
UVI580	Structure Varnish	120 T
UVI590	Crystal Varnish	79 T

Pre-production Test:

Always test for Adhesion and other properties before each production run because there can often be significant differences between substrates from different manufacturers and even between different batches. Other plastics can become brittle or cause to curl after printing.

Mesh :

Print the Special Effect Overprint varnishes for various effects from various mesh numbers as per suggested in the above table.

Substrate:

Offset printed paper & boards

Stencils :

Stencils can be best prepared with Sericol's stencil making products :

Xtend Prep 101 for abrasion of screen mesh

Xtend Prep 102 for degreasing of screen mesh

Emulsions: Dirasol 132(single pack) or Dirasol 915(two pack).

Wash Up:

Wash up screens with SS 639 Universal Screen Wash. This will ensure long life of stencils made with Dirasol emulsions.

Coverage:

Special Effect UV Overprint Varnishes should give coverage of 60-100 sq.m /kg when printed through suggested mesh.

Curing:

Special Effect UV Overprint varnishes cures when exposed to a medium pressure mercury Vapor Lamp set at 300 Watt per inch at a belt speed of 12-15 meters per minutes when printed through suggested mesh. **Under cure** can give low gloss and wet film with tacky nature, while **Over cure** can give ink film brittleness and poor inter coat adhesion. Resistance properties (e.g. adhesion) of the OPVs should be checked only after 24 hrs of post cure printing operation. Same printing conditions must be followed for proofing and bulk production.

Storage:

- Keep Varnishes in cool place, away from direct sunlight, or extreme temperatures.
- Keep lids tightly closed when not in use.
- Don't put the remaining material left on screen in the overcoats Tin. Keep remaining material separately in other can
- Open the can and stir for 5 minutes under moderate (Very slow) speed and leave 10 –20 minutes for Degassing.

Safety and Handling:

The Special Effect Overprint varnish system is formulated to be free from any known or suspected toxic, carcinogenic, mutagenic or reprotoxic chemicals.

This system is formulated free from lead and other heavy metals. Comprehensive Information on Safety and Handling of Special Effect Overprint varnish is given in the MSDS which is available on request.

Environmental Information:

Special Effect Overprint varnish system does not contain ozone depleting chemicals as described in the Montreal Convention.

Fujifilm Sericol India Pvt Ltd

- Has certification to the international Environmental Standard, ISO 14001.
- Is committed to minimizing the risk to users of our products, and also to minimizing the impact of our activities on the environment, from formulation through to production and supply.
- Regularly review and monitor our impacts and activities, setting objectives and targets as part of a continual improvement process.
- Is committed to reduce waste through better use of raw materials, energy, water, re-use and recycling.

Important Note:

The information and recommendations contained in this product information sheet as well as technical advice otherwise given by representative of our company, whether verbally or in writing, are based on our present knowledge and experience. Such information/ technical advice is given in good faith, but without warranty, in view of the many factors that may affect processes or applications 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 the products will meet fully the particular requirements of the labels/ brands/ agencies of their clients and also that no proprietary rights and existing laws and legislation are violated.

Our advice does not relieve processors from the responsibility of carrying out their own tests and experiments, nor does it imply any legally binding assurance in respect of properties or suitability for a specific purpose or of the legal status of the listed products.

Our policy of continuous product improvement might make some of the information contained in this product information sheet out of date and users are requested to ensure that they follow current recommendations.

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FUJIFILM SERICOL INDIA PVT LTD,
10/11,B.U.Bhandari Industrial estate. Sanaswadi, Tal. Shirur, Dist. Pune 412 208,
Tel.: 02137 392500/537, Fax: 02137 392555
E-mail: FSID.customercare@fujifilm.com
Customer Care Tel: +91(0) 2137 392552
Technical Help line: +91 (0) 2137 392523/524/525,
E-mail: FSID.techservice@fujifilm.com, Website: www.fujifilmsericol.in



Mumbai

Industrial Gala No. 20, Building 'A',
Ground Floor Gami Industrial Park,
Plot No. C-39A, TTC Industrial Area
Pawane, Turbhe Kalyan Road, MIDC,
Navi Mumbai, Pin : 400705

Chennai

New No.7; Old No 147, Mount Road, Saidapet
Tel: +91-44-22353239
Fax: +91-44-22301383
E-mail: FSID.chennai@fujifilm.com

Tirupur

18/2, K.V.R. Nagar, Main Road, Near Nair Hospital,
Karuvampalayam, Tirupur 641 604
Tel: (0421) 2232850/22326972
E-mail: FSID.tirupur@fujifilm.com

Delhi

B50, Naraina Ind Area, Phase II, Near Banquet Hall,
New Delhi-110028.
Tel.: +91-11-25453247 / 9613, +91-11-30931600
Fax: +91-11-25459613
E-mail: FSID.delhi@fujifilm.com

Kolkata

16/1 Panchnantala Road, Belgharia, Kolkata -700056.
West Bengal Tel.: +91-033 - 25560450
Fax: +91-033 - 25560450
E-mail: dipankar.sasmal@fujifilm.com

Srilanka

99, Stace Road, Colombo 14, Sri Lanka.
Tel : + 94 (0) 11 2436529
Fax : + 94 (0) 11 2 449907
Mobile : + 94 777 899 273
Email : lasantha.peiris@fujifilm.com

News *from* Printex

By the Grace of Allah Almighty, Roq installed two Oval Pro at Masood Textile Mills, Faisalabad.



Mr. Vitor Simao (Sales Engineer) from Roq International is arriving on 5th April for one Week to visit the valuable customers.



By the Grace of Allah Almighty, Printex is going to join hands with Rainbow Traders Lahore and InshaAllah will launch the complete offset range of Sericol.



E-mail: printexworld@gmail.com
Website: www.printex.com.pk

Defence Road, 0.5 Km off, Bhopatian Chowk,
Mauza Bhopatian, Rohinala Raiwind Road,
Behind Zimbis Knitwear (Pvt) Ltd, Lahore.
Contact No. +92-42-35966300, +92-42-35966301.
Fax No. +92-42-35966300