

IcoPrint PosterJet PN

Inks for printing poster

Issue No. 008/2019

IcoPrint PosterJet PN series are solvent based ink with high color strength of process colors and bright line colors. It is designed for printing onto PI & PN grades of synthetic paper, KT board and plastics.

Plastics

Certain plastics may be impregnated with lubricants which like plasticizer migration, may impair adhesion and block resistance even a considerable period after printing. This can be overcome by wiping the surface with White Spirit before printing. Surface adhesive left from protective papers on rigid PVC and acrylic sheets should be thoroughly removed in line with supplier's instructions.

Certain plastics can become brittle when printed, possibly to the point of shattering, often only after several weeks. It is therefore essential to check compatibility between ink and plastic to guard against this problem.

Outdoor Use

IcoPrint PosterJet PN inks are expected to have 12 months outdoor exposure in the climate of Nanjing before significant color deterioration was evident.

Standard colors

Line Colours:

PN001	Black
PN021	Opaque White
PN118	Red (YS)
PN119	Red (BS)
PN121	Red (contain Lead)
PN122	Scarlet Red (contain Lead)
PN127	Violet
PN165	Magenta
PN325	Green
PN383	Extender Base

Four Colour Process Inks:

PN004	Process Black
PN052	Process Yellow
PN135	Process Magenta (BS)
PN136	Process Magenta (YS)
PN215	Process Cyan
PN396	Process Extender Base

Available in 1kg and 5 kg containers

Reducers

ZV558 Retarder

Available in 5 kg containers

Main Characteristics

Properties

- Good flexibility
- Clear shade
- Excellent screen stability and self-solvency
- Outstanding definition
- Good weathering resistance

Finish

Gloss to high gloss

Drying

Ink film can be dried at 55-65°C in a jet dryer for 20-30 seconds
Air Drying achievable in ambient conditions after 10-30 minutes.

Thinning

Use 10-20% **ZV557** Thinner
For slow printing and fine detail, use 10-20% **ZV558** Retarder

Wash-up

Wash up with **ZTC639** Thinner

Mesh

Monofilament 90-140 mesh, depending on print needs.

Stencil Type

Most direct stencil materials with solvent resistance are suitable.

Recommended:

Emulsion **Dirasol 22**, **Dirasol 32** and **Dirasol 915**

Coverage

70 to 80 m²/L

Recommended substrates

Plastics; PP, PVC, K-T board.

Colour Range

10 Line Colors, including 7 Base Colours, Black, Opaque White, and Extender base.

5 Colour Process Inks with Process Extender Base.

Co-use with other inks

We do not recommend using this product with other ink systems

IMPORTANT: Stir well before every use. Always test application fully before commencing production run as there is often considerable variance in substrates from different manufactures and even between different batches.

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Storage

Containers should be tightly closed immediately after use. In the interest of maximum shelf life, storage temperatures should be between 10°C and 25°C

When stored in a cool environment the inks are expected to have a shelf life of approximately 3 years from the date of manufacture.

Safety and Handling

IcoPrint PosterJet PN:

- Is formulated free from lead and other heavy metals any carcinogenic, mutagenic or reprotoxic chemicals except that **PN121** and **PN122** contain lead.

Comprehensive information on the safety and handling of **PosterJet PN** inks and solvents is given in the appropriate **ICONINKS** Safety Data Sheet, available upon request.

Environmental Information

IcoPrint PosterJet PN:

- Does not contain ozone depleting chemicals as described in the Montreal Convention.

The information and recommendations contained in this Product Information 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 Product Information sheet out of date and users are requested to ensure that they follow current recommendations.

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