

## 1. FIELD OF APPLICATION

Ethanol based ink series for printing onto pre-coated aluminium, coated and uncoated paper, pre-treated polyethylene, pre-treated polypropylene (also co-extruded), acrylic-coated polypropylene and pre-coated polyester.

## 2. PROPERTIES

The ink series PN is universal usable, has a high colour strength and brilliance, a very good printability as well as a high yield and excellent transparency. The ink series has a very good solvent evaporation and therefore low residual solvent values.

The inks are phthalate-free.

## 3. FASTNESS INFORMATION

The ink series PN is resistant to adhesive tape, scratch resistant, resistant to dry and wet scrubbing and sealing resistant (the temperature depends on the print substrate).

Further fastnesses are resulting out of the pigmentation and the used printing substrate. Special fastness information can be made available on request.

Fastness examinations should not be done before a period of 24 h after the printing process.

## 4. COLOUR RANGE

Process Yellow		3/111529 PN
Process Magenta		8/111530 PN
Process Cyan		1/111531 PN
Process Black		9/111532 PN

Orange	PMS 021 C	7/111643 PN
Red	Red 032 C	8/111644 PN
Violet	Violet C	1/111645 PN

Common colour shades can be mixed with these seven mono-pigmented basic inks. A very clean green shade (e.g. HKS 53) is not mixable. This colour shade has to be ordered as a ready-mixed ink.

## 5. PRINTING AUXILIARIES

Thinner/Quick-drying agent:

Any mixture of ethyl acetate and ethanol is possible to obtain an optimal image and curing.

Retarder (EP)	002001
Transparent White	111528 PN

## 6. SHELF LIFE

We guarantee a shelf life of six months. For metallic inks as well as gold and silver we guarantee a shelf life of three months in original and closed containers.

Rust protected containers have to be used.

## 7. PRECAUTIONS

For further information on the safety, storage and environmental aspects please refer to the Material Safety Data Sheet(s) (MSDS).

For further technical information please contact our application engineering:

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