

OxiPrint

OxiPrint is the name of an ink series with significantly improved and accelerated drying for film printing applications and the like. These inks are especially suitable for printing on non-absorbent substrates, for example glassine, Chromolux, plastic films and self-adhesive or metalised papers.

Benefits:

- Optimum oxidative drying
- Very high dot sharpness
- Very good rub resistance
- High intensity

Important:

As a modern ink series, OxiPrint inks comply with all requirements of the ISO 2846-1 standard. Their intensity and dot sharpness enable the printer to satisfy all process demands of the ISO 12647-2 standard and at the same time to achieve a very neutral grey balance.

An opaque white ink can be supplied for the priming of transparent films.

Properties:

| | | |
|-----------------------|-----|------------------|
| Fast finishing | 5 | 5 = excellent |
| Rub resistance | 5 | 4 = very good |
| Gloss | 4 | 3 = good |
| IR drying recommended | yes | 2 = satisfactory |
| Duct fresh | no | 1 = sufficient |

| | Article number | Light-fast | Transp. | Spirit | Nitro | Alkali | |
|------------------|----------------|------------|---------|--------|-------|--------|---------------------------|
| OxiPrint Yellow | P8331600 | 5 | + | + | + | + | + Property applicable |
| OxiPrint Magenta | P8331570 | 5 | + | + | + | - | - Property not applicable |
| OxiPrint Cyan | P8331430 | 8 | + | + | + | + | |
| OxiPrint Black | P8331420 | 8 | - | + | + | + | |

Processing notes:

The inks have been formulated ready for printing and can be used directly out of the can. If necessary, use only mineral-oil-free ink additives and pay attention to correct metering. The dampening solution should not exceed the slightly acidic range. The best results are obtained with a pH value between 5.3 and 5.5. The dampening should be reduced to the point at which scumming is just avoided, as excessive dampening significantly delays drying. Non-absorbent substrates, in particular, are sensitive to an unstable ink/water balance. It is thus imperative to ensure a correct ink/water balance. When powdering, we recommend normal metering of a coarse-grained, mineralbased powder.

This technical description is provided as information and general advice. Its contents represent our current knowledge. As specific applications are dependent on a diversity of factors beyond our control, however, we are unable to guarantee the success of printing in any particular case.

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