

Z-Evolution

135 gsm



- Available in FSC quality and CO₂ neutral on request

Properties

High-performance inkjet paper coated online on both sides for 4-colour inkjet printing. Z-Evolution has been specially developed for drop-on-demand print systems (pigmented and dye-based inks).

Transpromotional printing/direct mail/book printing

Z-Evolution is the first high-speed inkjet paper which is coated online and specially developed for drop-on-demand inkjet applications (dye-based and pigmented ink systems). Z-Evolution is hallmarked by its low ink consumption, which is controlled by a new coating colour concept that fixes the ink direct to the surface of the paper.

High colour density and low show through make the paper an ideal choice, particularly in the lower weight range. This cuts mailing costs without impacting on print performance. Z-Evolution is particularly suitable for book printing and direct mail applications. Printed matter is immediately ready for further processing after printing and enjoys excellent smear and water resistance. The paper's outstanding processing properties ensure top performance for further processing. Ultra-white Z-Evolution provides a fifth colour for your printing that makes for excellent contrast in the reproduction of photo-realistic images. The perfect accompaniment for advertising and printing. Z-Evolution's superlative processing properties guarantee its ease of use along the entire value chain.

Applications

- High-performance 4-colour inkjet printing (dye-based and pigmented)
- 4-colour offset printing (on request)

Special features

Special approvals

- Kodak Versamark VL 2000/4000 etc
- OCE Jetstream 1100/2200
- Screen Truepress Jet 520
- InfoPrint Solution InfoPrint 5000
- Impika iPrint 75

Features

- high brightness
- exceptional colour density
- excellent contrast
- sharp contours and lines
- very good opacity
- both sides printable
- fast drying
- superior ink fixation
- low show through

Compliance with special standards

Quality assurance / security systems
Aging properties

ISO 9001:2000/OHSAS 18001:2007
ANSI/NISO Z.39.48-1992, ISO 9706-1994, DIN 6738-1992

Environmental compliance

Forest certification programmes
Environmental quality systems/certificates
Pulp quality
Sizing

ISO 14000, EMAS or FSC
ISO 14001:2004, FSC SGS-COC-24310
ECF pulp, woodfree
acid-free, neutral sizing

Physical properties

Grammage
Thickness

Smoothness (Parker Print Surf)
Brightness
CIE whiteness

Opacity

Ash content
Surface pH value
Relative humidity

Unit

g/m²
µm

µm

%

%

%

%

%

Value

135 ± 2
145 value as
experience shows
4.2 ± 0.25
111.5 ± 1
165 value as
experience shows
97 value as
experience shows
15.0 ± 1
7.3 ± 0.5
40 ± 5

Control methods

ISO 536
ISO 534
ISO 8791/4
DIN 53145
ISO 11475
DIN 53146
ISO 2144
SVI-EMPA 12
ISO 287

Recommendations

Temperature
Relative humidity

20 ± 3 °C
50 ± 5 %