

Z-Evolution

170 gsm



- Upon request available in FSC quality.

Properties

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). It 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. First-rate colour density and low shinethrough 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 there production 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)

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 shine-through

Compliance with special standards

Quality assurance / security systems
Aging properties

ISO 9001:2008/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, FSC 024310
ISO 14001:2004, FSC SQS-COC-024310, EMAS
ECF/TCF 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	Value	Control methods
g/m ²	170 ± 2	ISO 536
µm	185 value as experience shows	ISO 534
µm	4.25 ± 0.5	ISO 8791/4
%	111.5 ± 1	DIN 53145
%	165 value as experience shows	ISO 11475
%	98 value as experience shows	DIN 53146
%	15.0 ± 1	ISO 2144
%	7.3 ± 0.5	SVI-EMPA 12
%	30 ± 4	ISO 287

Recommendations

Temperature 20 ± 3 °C
Relative humidity 50 ± 5 %