

# Z-Evolution

# 150 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

g/m<sup>2</sup>  
µm

µm

%

%

%

%

%

### Value

150 ± 2  
160 value as  
experience shows  
4.25 ± 0.5  
111.5 ± 1  
165 value as  
experience shows  
98 value as  
experience shows

15.0 ± 1  
7.3 ± 0.5  
30 ± 4

### 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 %