

# Z-Plot 450/Marke 450 / Z-Laser Color 90 gsm

- Upon request available in FSC quality and CO<sub>2</sub> neutral

## Properties

Plotter paper for laser and inkjet plotters (LFP); for high-contrast plots at both the beginning and end phase. The 56 gsm weight is the ideal paper for adhesive labels and fast test plots.

This fully-sized paper provides very good results in all black-and-white plots and for coloured lines. Z-Plot 450 is also suitable for laser plotters and plan copiers (PPC). The extra-white finish ensures a very high contrast. Its fine surface and excellent opacity differentiate Z-Plot 450 from standard mono-opaque papers.

## Applications

- Offset printability \*\*\*\*
- Laser printers (reels) \*\*\*\*
- Inkjet (mono) \*\*\*\* (CAD)
- Inkjet (colour) \*\*\*
- Copiers (mono) \*\*\*\*
- Copiers (colour) \*\*
- Thermal transfer -
- Flexo printing \*\*\*\*
- Handwriting pen/Nylon tip \*\*\*

## Special features

- Large-format copiers
- Colour copiers

## Special approvals

- OCR certificate (DIN6723)
- CBS2
- Matti Data Runner Mark I 980
- (hybrid: 4color offset-and inkjetprinting for direct mailings)

## Features

- high brightness
- high opacity
- special calendering
- excellent contrast
- outstanding colour density (monochrome)
- both sides printable
- suitable for laminating
- sharp line quality

## Special norms fulfilled

Quality assurance system/Security system  
 Aging resistance  
 Other

ISO 9001:2000/OHSAS 18001:2007  
 ANSI/NISO Z.39.48-1992, ISO 9706-1994, DIN 6738-1992  
 BfR XXXVI (analysis for the conformity with the demands on food contact materials)

## Environment programs

Forest certification  
 Environmental quality systems  
 Pulp quality  
 Production

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

## Physical properties

Grammage  
 Thickness

Smoothness (Parker Print Surf)  
 Brightness  
 CIE-Whitiness

Ash content  
 Opacity

Surface pH value  
 Relative humidity

Unit	Value	Standard
gsm	90 ± 2	ISO 536
µm	110 value as experience shows	ISO 534
µm	4.50 ± 0.25	ISO 8791/4
%	111.5 ± 1	DIN 53145
%	165 value as experience shows	ISO 11475
%	9.0 ± 1	ISO 2144
%	95 value as experience shows	DIN 53146
%	7.3 ± 0.5	SVI-EMPA 12
%	33 ± 5	ISO 287

## User tips

Operating temperature 20 ± 3 °C  
 Relative humidity 50 ± 5 %

## Processing

Adhesive laminating \*\*\*  
 Aluminium laminating \*\*

## Legend

\*\*\*\*excellent \*\*\*very good \*\*good \*adequate - no details

Subject to alteration at any time as a result of technical improvements. Status: 03.2009