

# Z-Plot 450

# 90 gsm



- Upon request available in FSC quality.

## Properties

### Laser and inkjet printing

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

### PPC

This fully-sized uncoated 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). Plots can be made on both sides with equally good results. The extra-white finish ensures very high contrast. Its fine surface differentiates Z-Plot 450 from standard mono-opaque papers.

### Hybrid application

Four-colour offset prints combined with four-colour high-performance inkjet printing. Outstanding performance for offset printing with excellent colour density and perfect drop size for high-speed inkjet printing up to 150 metres per minute.

## 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

- Excellent brightness
- Extraordinary opacity
- Special calendaring
- High contrast
- Outstanding colour density (monochrome)
- Suitable for laminating
- Sharp line quality

## Special norms fulfilled

Quality assurance system/Security system  
Aging resistance  
Other

ISO 9001:2008/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, FSC 024310  
ISO 14001:2004, FSC SQS-COC-024310, EMAS  
ECF/TCF-pulp, wood-free  
acid-free, neutral sizing

## Physical properties

Grammage  
Thickness

Smoothness (Parker Print Surf)  
Brightness  
CIE-Whitniss

Ash content  
Opacity

Surface pH value  
Relative humidity

Unit	Value	Standard
gsm	90 ± 3	ISO 536
µm	108 value as experience shows	ISO 534
µm	4.50 ± 0.5	ISO 8791/4
%	111.5 ± 1	DIN 53145
%	165 value as experience shows	ISO 11475
%	11.0 ± 1	ISO 2144
%	95 value as experience shows	DIN 53146
%	7.3 ± 0.5	SVI-EMPA 12
%	33 ± 4	ISO 287

## User tips

Temperature  
Relative humidity

20 ± 3 °C  
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: 27.08.2014

