

# Z-Offset | Z-Mail Supra 240 gsm

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

## Properties

Super-white offset paper for demanding applications. 110 gsm for outdoor posters.

Z-Offset is renowned for its consistently high level of quality, whiteness, opacity and bulk. Accurate cutting and a precise surface structure guarantee outstanding processing on all offset printing machines. The same paper is designated Z-Mail Supra, is perfect for conversion into envelopes due to excellent sizing, superior printability and high level of opacity. A special grade produced in 110 gsm is suitable for outdoor poster applications and is particularly resistant to water and moisture. All weights in White-Line are the same shade so it is always possible to combine content and envelope for a perfect match. Z-Offset in 300 and 400 gsm weights is bonded.

## Application

- |                                |      |
|--------------------------------|------|
| • Offset printability          | **** |
| • Laser Printer (reels)        | -    |
| • Ink-Jet                      | *    |
| • Copier (mono)                | -    |
| • Copier (color)               | -    |
| • Thermal transfer             | -    |
| • Flexo Print                  | **** |
| • Hand writing pen / Nylon tip | **   |

## Special features

- greetings cards

## Special approvals

## Features

- constant high-grade quality
- high brightness
- high opacity
- high volume

## Special norms fulfilled

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

## Environment programs

Forest certifications:	ISO 14000, EMAS or FSC
Environmental quality system	ISO 14001:2004, FSC-SQS-COC-24310
Pulp Quality	ECF pulp, woodfree
Sizing	acid-free, neutral sizing

## Physical properties

		Value	Control methods
Grammage	gsm	240 ± 3	ISO 536
Thickness	µm	285 value as experience shows	
Smoothness (Parker Print-Surf)	µm	5,25 ± 0,25	ISO 534
Brightness	%	111,5 ± 1	ISO 8791/4
CIE-Whiteness	%	165 value as experience shows	DIN 53145
Ash content	%	6,5 ± 1	ISO 11475
Opacity	%	99 value as experience shows	ISO 2144
Surface pH-Value		7,3 ± 0,5	DIN 53146
Relative humidity	%	45 ± 5	SVI-EMPA 12
			ISO 287

## User tips

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

## Processing

Adhesive laminating	**
Aluminium laminating	*

## Legende

\*\*\*\*super \*\*\*excellent \*\*good \*adequate -no information