

MultiDesign® Original White



Highwhite premium offset paper and board, wood-free

Basis weight	ISO 536	g/m ²	90	100	115	130	150	170	200	240	300	350	400
Thickness / Caliper	ISO 534	µm	120	133	153	173	200	226	270	317	391	432	495
Specific Volume / Bulk	ISO 534	cm ³ /g	1,33	1,33	1,33	1,33	1,33	1,33	1,33	1,33	1,30	1,23	1,23
CIE Whiteness	ISO 11475	%	151	151	151	151	151	151	151	151	151	151	151
D65 Brightness	ISO 2470-2	%	110	110	110	110	110	110	110	110	110	110	110
Opacity	ISO 2471	%	91	93	94	95	97	98	98	99	99	99	99
Roughness (Bendtsen)	ISO 8791-2	ml/min	250	250	250	250	250	250	250	250	250	200	200
Moisture content	ISO 287	%	5,6	5,6	5,6	5,6	5,6	5,6	6,5	6,5	6,5	6,5	6,5
Relative humidity	TAPPI T502	%	45	45	45	45	45	45	50	50	50	55	55

All properties are according to mill measurements that may be subject to fluctuations which are customary within the industry

Applications

- Annual reports, books, brochures, business cards, business stationeries, folders, greeting cards, mailings, magazines

Technical product certificates and information

- Permanent paper (DIN/ISO 9706)
- Guaranteed preprint quality from 90 to 170 g/m²

Environmental product certificates and information

- FSC®
- European Ecolabel (EU Flower)
- Elemental chlorine free (ECF)



Information for digital printing

- Recommended for professional dry-toner systems
- Recommended for inkjet printers
- Recommended for laser printers and copiers

Supplier certificates

- FSC®
- PEFC™
- Environmental Management System (ISO 14001)
- Quality Management System (ISO 9001)

Technical capability

Printing technologies:	Absorbent substrate that is suitable for offset, UV-offset and screen printing. A sufficient quantity of printing powder with an appropriate particle size has to be considered.
Screen ruling:	All conventional screen rulings up to 60 l/cm (150 lpi) are applicable. When using other screen technologies, tests are recommended before print production.
Printing inks:	Suitable for inks drying by absorption and oxidation (Offset) and UV-inks.
Ink drying:	The drying process of oxidative drying offset ink is entirely completed within 24 to 48 hours, depending on the thickness of the ink film.
Printing pressure:	Standard pressure. Slightly increased pressure on bulky papers and usage of soft rubber blankets is recommended.
Finishing:	Varnishing with overprint and water-based varnishes, as well as hot foil stamping, embossing and die-cutting are applicable. A finishing with UV-varnish has to be checked in advance and could require a pre-coating with a primer.
Hot foil stamping:	suitable
Creasing & folding:	In order to obtain the best possible folding results, the folding process has to be prepared via creasing, while the common standard values for creasing have to be considered.
Handling information:	The flatness of this paper is guaranteed at a relative humidity between 45 and 55% at a temperature between 20 and 23°C. It is recommended that the printing room has comparable climatic conditions. The paper should be kept as long as possible in the mill-wrapper before use. Extreme changes in temperature and humidity should be avoided.

For all printing and processing techniques, the recommendations of the manufacturers of machines, inks, adhesives, laminating and embossing foils, etc. are to be followed. For damages caused by faulty implementation of printing and processing, Papyrus cannot accept any liability.

Can be subject to printing errors and modifications