

Natural Evolution

Wood-free, white to ivory-coloured, finest paper with a high bulk, great stiffness and a matt and soft finish

Basis weight	ISO 536	g/m ²	120	145	200	280	320
Thickness / Caliper	ISO 534	µm	164	200	285	411	470
Specific Volume / Bulk	ISO 534	cm ³ /g	1.4	1.4	1.4	1.5	1.5
ISO Brightness (white shade)	ISO 2470	%	102	102	102	102	102
Opacity (white shade)	ISO 2471	%	95	97	98	99	99.4
Bending Stiffness (Taber 15°) (MD)	ISO 2493	mNm	17	25	90	240	280
Bending Stiffness (Taber 15°) (CD)	ISO 2493	mNm	8	13	46	120	140

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

Applications

- Annual reports, art books, brochures, cards, catalogues, covers, folders, posters

Technical product certificates and information

- Permanent paper (DIN/ISO 9706)
- Toy Safety: Migration of elements (DIN EN 71/3)
- Free from heavy metals according to EU packaging directive (94/62/EC)

Environmental product certificates and information

- FSC®
- Elemental chlorine free (ECF)
- This paper can be recycled



Supplier certificates

- 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 80 l/cm (200 lpi) are applicable. When using other screen technologies, tests are recommended before print production.
Printing inks:	Suitable for inks that dry by absorption and oxidation (Offset), for UV-inks and screen printing inks.
Ink drying:	The drying process of the conventional 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:	All types of varnishing such as overprint-, water-based and UV varnishes, as well as cold foil transfer, hot foil stamping, embossing and die-cutting are possible.
Hot foil stamping:	suitable
Laminating:	suitable
Creasing & folding:	For the substances of 150 g/m ² and higher, the folding process has to be prepared via creasing. In order to obtain the best possible folding results, 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.