

Coated fine paper, woodfree, white, silky matt finish, for offset, HPI and professional dry-toner printing systems

| Basis weight             | ISO 536    | g/m <sup>2</sup>   | 100  | 115  | 130  | 150  | 170  | 200  | 250  | 300  | 350  |
|--------------------------|------------|--------------------|------|------|------|------|------|------|------|------|------|
| Thickness / Caliper      | ISO 534    | µm                 | 90   | 105  | 125  | 135  | 160  | 185  | 240  | 310  | 360  |
| Specific Volume / Bulk   | ISO 534    | cm <sup>3</sup> /g | 0,90 | 0,90 | 0,90 | 0,90 | 0,95 | 0,95 | 0,98 | 1,02 | 1,04 |
| CIE Whiteness            | ISO 11475  | %                  | 128  | 128  | 128  | 128  | 128  | 128  | 128  | 128  | 128  |
| ISO Brightness D65       | ISO 2470-2 | %                  | 102  | 102  | 102  | 102  | 102  | 102  | 102  | 102  | 102  |
| Gloss (Hunter/Tappi 75°) | ISO 8254-1 | %                  | 45   | 50   | 50   | 50   | 50   | 50   | 50   | 55   | 53   |
| Opacity                  | ISO 2471   | %                  | 92   | 93   | 95   | 97   | 97   | 98   | 99   |      |      |
| Smoothness (PPS 10)      | ISO 8791-4 | µm                 | 2,0  | 2,0  | 2,0  | 2,0  | 2,0  | 2,0  | 2,0  | 2,0  | 2,0  |

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

## Applications

- Annual reports, Environmental reports, Coffee table books, Photo books, Cookbooks, Art books, Catalogues, Brochures, Children books, Magazines, Flyers, Direct mails, Manuals, Newsletters, Wall calendars, Desktop calendars, Posters, Pricelists, Vouchers, Promo cards, Tickets

## Technical product certificates and information

- Permanent paper (DIN/ISO 9706)
- Food safety (EC 1935/2004)
- Food safety (BfR recommendation XXXVI)
- Free from heavy metals according to EU packaging directive (94/62/EC)

## Environmental product certificates and information

- FSC®
- European Ecolabel (EU Flower)



## Information for digital printing

- Certified for HP Indigo
- Recommended for professional dry-toner systems

## Supplier certificates

- FSC®
- PEFC™
- Environmental Management System (ISO 14001)
- Quality Management System (ISO 9001)
- Energy management (ISO 50001)
- Occupational Health and Safety Management System (OHSAS 18001)
- Eco-Management and Audit Scheme (EMAS)

## Technical capability

|                        |   |
|------------------------|---|
| Printing technologies: | Recommended for professional drytoner-printing systems and for HP-Indigo printing systems, please note individual instructions of the printing machine supplier. Tests are recommended before print production. Also suitable for conventional offset printing.   |
| 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   |
| 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 <sup>2</sup> 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.

Can be subject to printing errors and modifications