



## Product Information CyclusPrint

<b>Product</b>	2-sided, matt coated fine paper - made of 100% recycled fibres.
<b>Areas of use</b>	Catalogues, magazines, brochures, promotional prints, posters, Direct Mail etc.
<b>Photographic Reproduction</b>	Perfect print result, black/white and in colour.
<b>Text</b>	The matt, reflection free surface makes the paper suitable for large text areas in combination with pictures of high quality.
<b>Repro</b>	Screen density up to 80 lines/cm (203 lines/inch). We recommend repro adjustment for heavy pictures.
<b>Printing processes</b>	Offset, dry offset and web offset with heatset drying. All inks suitable for coated paper.
<b>Binding &amp; folding</b>	Clamps, thread and adhesive binding. Recommended – without precreasing up to 170 g/m <sup>2</sup> , punching and embossed printing recommended.
<b>Personalization</b>	Suitable for a limited amount of subsequent laser and ink-jet printing.
<b>Raw materials</b>	Based on 100% recycled paper according to the RAL UZ 14 – Blue Angel.
<b>De-inking</b>	All residual products are environmentally friendly being used for paper fibres, fertiliser, and as raw material for the building industry.
<b>Bleaching</b>	Without use of optical brightener and chlorine.
<b>Filler</b>	Calcium carbonate.
<b>Sizing</b>	Neutral.
<b>Coating</b>	Appr. 15 g/m <sup>2</sup> per side depending on actual substance.
<b>Coating application</b>	HSM – Coating System.
<b>Energy</b>	Bio fuel.
<b>Relative Humidity</b>	50% at 23°C.



- Stock** Please find our extensive range in the specific stock list covering all available European sheet sizes.
- Substances** Sheets and reels: 70, 80, 90, 100, 115, 130, 150, 170, 200 g/m<sup>2</sup>. Other substances, please contact Dalum.
- Machine Deckle** PM7: 480 cm.
- Sheet sizes** <90 g: Max width 120 cm, max length 110 cm.  
>=90 g: Max width 160 cm, max length 160 cm. However, the largest sheet size is 120 x 160 cm.
- Minimum Production quantity** 2 tonnes per specification.
- Minimum delivery quantity** 2 - 3 tonnes.

### Technical specifications (guidelines)

Acc. to following standards:

ISO 536    ISO 534    ISO 534    ISO 8791-4    ISO 2470    ISO 11475    ISO 2471    ISO 8254    ISO 6588

Substances g/m <sup>2</sup>	Thickness my	Bulk cm <sup>3</sup> /g	Smoothness PPS my	Brightness ISO %	Whiteness CIE %	Opacity %	Gloss Lehmann %	pH-value
70	69	0,99	3,5	82	89	93	12	8,0
80	78	0,98	3,5	82	89	95	13	8,0
90	87	0,97	3,5	84	89	95	14	8,0
100	97	0,97	3,5	84	89	96	15	8,0
115	110	0,96	3,5	84	89	>=98	16	8,0
130	128	0,98	3,5	84	89	>=98	17	8,0
150	148	0,99	3,7	84	89	>=98	18	8,0
170	170	1,00	3,7	84	89	>=98	19	8,0
200	201	1,00	3,7	84	89	>=98	19	8,0

- Certificates:**
- RAL UZ-14
  - Licence DK/11/1
  - NAPM
  - ISO 9001
  - EMAS, ISO 14001
  - DIN 6738
  - EN 71-3
  - Blue Angel
  - Flower
  - National Association of Paper Merchants
  - Quality management
  - EU environmental management/ certification scheme
  - Archive properties, LDK class 24-85 (> 200 years)
  - Safety of toys, migration of certain elements

