



## 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>	Reels: 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>	Apr. 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 - 5 tonnes (depending on destination).

## Technical specifications (guidelines)

Acc. to following standards:

ISO 536	ISO 534	ISO 534	ISO 8791-4	ISO 2470	ISO 11475	ISO 2471	ISO 8254
Substances	Thickness	Bulk	Smoothness PPS	Brightness ISO	Whiteness CIE	Opacity	Gloss Lehmann
g/m <sup>2</sup>	my	cm <sup>3</sup> /g	my	%	%	%	%
70	69	0,99	3,5	82	89	93	12
80	78	0,98	3,5	82	89	95	13
90	87	0,97	3,5	82	89	95	14
100	97	0,97	3,5	82	89	96	15
115	110	0,96	3,5	83	89	>=98	16
130	128	0,98	3,5	83	89	>=98	17
150	148	0,99	3,7	83	89	>=98	18
170	170	1,00	3,7	83	89	>=98	19
200	201	1,00	3,7	83	89	>=98	19

- Certificates:**
- |                           |                                                                                  |
|---------------------------|----------------------------------------------------------------------------------|
| RAL UZ-14                 | Blue Angel                                                                       |
| Licence DK/11/1           | European Flower                                                                  |
| NAPM                      | National Association of Paper Merchants                                          |
| ISO 9001                  | Quality management                                                               |
| EMAS, ISO 14001           | EU environmental management/ certification scheme                                |
| DIN 6738                  | Archive properties, LDK class 24-85 (> 200 years)                                |
| EN 71-3                   | Safety of toys, migration of certain elements                                    |
| Certificate of conformity | According to Code of Federal Regulations, Food and Drugs, §§ 176.170 and 176.180 |

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