



## Magno Natural – Product Information

Magno Natural is an uncoated fine paper available in sheets and reels for offset printing.

### Technical specifications

Parameter	Standard	Unit	80	90	100	110	120	140	150	170	190	250	300	350
Basis weight	ISO 536	g/m <sup>2</sup>	80	90	100	110	120	140	150	170	190	250	300	350
Brightness (illuminant D65/10°)	ISO 2470-2	%	104	104	104	104	104	104	104	104	104	104	104	104
CIE whiteness (D65/10°)	ISO 11475	%	144	144	144	144	144	144	144	144	144	144	144	144
Opacity	ISO 2471	%	91.5	93	94.5	95.5	96.5	98	98.5	>99	>99	>99	>99	>99
Roughness bendtsen	ISO 8791-2	ml/min	<400	<400	<400	<400	<400	<450	<450	<450	<500	<600	<700	<700
Thickness	ISO 534	µm	102	113	124	136	144	168	180	199	221	285	342	399
Bulk	ISO 534	cm <sup>3</sup> /g	1.27	1.25	1.24	1.24	1.20	1.20	1.20	1.17	1.16	1.14	1.14	1.14
Relative humidity (23°C)	TAPPI 502	%	50	50	50	50	50	50	50	50	50	50	50	50

### Print recommendations

Dot area	For dot areas over 320% we recommend Under Colour Removal (UCR).
Processing	Allow paper time to acclimatise to press room conditions before removing outer packaging. Strapping bands (if applied) should be removed shortly after delivery. Outer wrappers should be removed only when ready to print. Ideal press room conditions should be 50% ± 5 % relative humidity at 20°C.
Finishing	Suitable for all standard finishes, foil laminating (>130 gsm), embossing and die cutting. Varnishes include: dispersion, print, UV, spot, relief, iriodin, scented & aqueous.
Converting	Pre-creasing before folding is recommended from 135 µm thickness onwards. Crease channel width should be a minimum of 2x paper thickness plus thickness creasing knife (plus or minus 0,2 mm). Crease channel depth should ± 1.5x paper thickness. Creasing knife 2 point (0,71 mm) (this and that depending on your crease/fold device).
Assisted drying methods	When using infra red drying methods, stack temperature should not exceed 37°C. Suitable for UV cure inks.

### Mill Certification

- ISO 9001** The quality of the manufacturing is managed according to the requirements of ISO 9001.
- ISO 14001** The environmental aspects of the mill are managed according to the requirements of ISO 14001.
- ISO 50001** The energy consumed and the emissions generated by the mill are managed according to ISO 50001.
- ISO 45001** The health and safety of the mill employees are managed according to the requirements of ISO 45001.
- PEFC** The mills are PEFC CoC certified (PEFC/07-32-76), and all wood raw material originates from sustainable and controlled sources.
- FSC™** The mills are FSC CoC certified (FSC™-C015022), and all wood raw material originates from sustainable and controlled sources.

Packaging of product complies with packaging and waste directive 94/62/EC (article 11). Magno Natural is fully recyclable.

Target production values - Regional variations in specifications may apply; please contact your local Sales office for more information. Updated: 01.2025.

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- PEFC** 100% PEFC certified (PEFC/07-32-76) on request/subject to availability.
- FSC™** FSC Mix Credit (FSC™-C015022) on request/subject to availability.
- Only approved chemicals used, in compliance with BfR recommendation XXXVI 'Paper and Board for Food Contact'. Magno Natural is suitable for direct contact with dry and fatty foodstuff.
- Meets the purity requirements (heavy metal content) of EN 71-3 'Toy Safety', part 3 'Migration of certain elements' and part 9 'Organic chemical compounds'.
- The key environmental parameters of the product are presented at the Paper Profile.
- Archivability tested according to the requirements of DIN 6738, Lifespan class - LDK 24-85.
- ECF** Pulp is bleached without the use of chlorine (ECF).
- Dry toner suitable** Dry toner: Suitable for dry toner.