

# Heaven 42

## Product Information



Heaven 42 is a coated fine paper available in sheets and reels for offset printing







### Technical specifications

Parameter	Standard	Unit								
Basis weight	ISO 536	g/m <sup>2</sup>	115	135	150	170	200	250	300	400
Brightness (illuminant D65/10°)	ISO 2470-2	%	107	107	107	107	107	107	107	107
CIE whiteness (D65/10°)	ISO 11475	%	155	155	155	155	155	155	155	155
Opacity	ISO 2471	%	96,3	97,3	98,0	98,6	99,2	99,8	99,9	100,0
Gloss TAPPI 75°	ISO 8254-1	%	7	7	7	7	7	7	7	7
Roughness PPS	ISO 8791-4	µm	2,3	2,3	2,3	2,3	2,3	2,3	2,3	2,3
Thickness	ISO 534	µm	100	118	130	150	178	238	295	400
Bulk	ISO 534	cm <sup>3</sup> /g	0,87	0,87	0,87	0,88	0,89	0,95	0,98	1,00
Relative humidity (23°C)	TAPPI 502	%	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

-  The quality of the manufacturing is managed according to the requirements of ISO 9001.
-  The environmental aspects of the mill are managed according to the requirements of ISO 14001.
-  The energy consumed and the emissions generated by the mill are managed according to ISO 50001.
-  The mills are both FSC and PEFC CoC certified, and all wood raw material originates from sustainable and controlled sources.
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-  The health and safety of the mill employees are managed according to the requirements of ISO 45 001.

Packaging of product complies with packaging and waste directive 94/62/EC (article 11). Heaven 42 is fully recyclable.

### Product Certification

-  PEFC™ certification on request/subject to availability.
-  FSC™ certification on request/subject to availability.
-  Only approved chemicals used, in compliance with BfR recommendation XXXVI 'Paper and Board for Food Contact'. Heaven 42 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.
-  Pulp is bleached without the use of chlorine (ECF).
-  Dry toner: Suitable for dry toner.