Product information sheet

Quatro[™] silk

Coated fine paper available in sheets and reels for offset printing

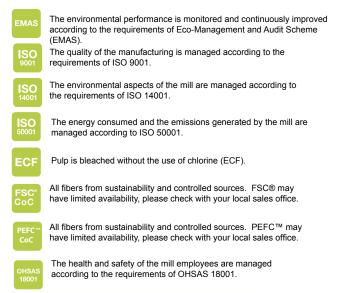
Technical specifications

PARAMETER	STANDARD	UNIT													
BASIS WEIGHT	ISO 536	g/m²	90	100	115	130	135	150	170	200	225	250	275	300	350
BRIGHTNESS (illuminant D65/10°)	ISO 2470-2	%	98	98	98	98	98	98	98	98	98	98	98	98	98
CIE WHITENESS (D65/10°)	ISO 11475	%	125	125	125	125	125	125	125	125	125	125	125	125	125
OPACITY	ISO 2471	%	91,5	93	94,5	95,5	96	97	97,5	98	98	98,5	98,5	99	99
GLOSS TAPPI 75°	ISO 8254-1	%	29	29	29	29	29	29	29	29	34	34	34	34	34
ROUGHNESS PPS	ISO 8791-4	μm	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6
THICKNESS	ISO 534	μm	74	82	95	108	112	125	145	170	198	220	248	276	336
SPEC. VOLUME	ISO 534	cm³/g	0,82	0,82	0,83	0,83	0,83	0,83	0,85	0,88	0,88	0,88	0,90	0,92	0,96
RELATIVE HUMIDITY (23°C)	TAPPI 502	%	50	50	50	50	50	50	50	50	50	50	50	50	50

Print recommendations

<u>Dot area</u> Processing	For dot areas over 320% we recommend Under Colour Removal (UCR). 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 (>130gsm), embossing and die cutting.
	Varnishes include: dispersion, print, UV, spot, relief, iriodin, scented & acqueous.
Converting	Pre-creasing before folding is recommended from 135 um 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 certifications



Product certifications



All fibers from sustainable and controlled sources. PEFC™ may have limited availability, please check with your local sales office. All fibers from sustainable and controlled sources. FSC® may have



limited availability, please check with your local sales office. Only approved chemicals used, in compliance with BfR recommendation XXXVI 'Paper and Board for Food Contact'. Quatro silk 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.

The product is awarded an EU Ecolabel and inspected for Nordic Ecolabelled printing. Packaging of product complies with packaging and waste directive 94/62/EC (article 11). Quatro silk is fully recyclable.



Target production values

Regional variations in specifications may apply; please contact your local Sales office for more information. Updated : 01.01.2015