



## Product information sheets

### Quatro™ silk

Coated fine paper available in sheets and reels for offset printing

#### Technical specifications

PARAMETER	STANDARD	UNIT												
<b>BASIS WEIGHT</b>	<b>ISO 536</b>	<b>g/m<sup>2</sup></b>	<b>90</b>	<b>100</b>	<b>115</b>	<b>130</b>	<b>135</b>	<b>150</b>	<b>170</b>	<b>200</b>	<b>250</b>	<b>300</b>	<b>350</b>	<b>400</b>
THICKNESS	ISO 534	µm	74	82	95	108	112	125	145	176	225	282	347	412
SPEC. VOLUME	ISO 534	cm <sup>3</sup> /g	0,82	0,82	0,83	0,83	0,83	0,83	0,85	0,88	0,90	0,94	0,99	1,03
CIE WHITENESS (D65/10°)	ISO 11475	%	121	121	121	121	121	121	121	121	121	121	121	121
BRIGHTNESS (illuminant D65/10°)	ISO 2470-2	%	96	96	96	96	96	96	96	96	97	97	97	97
ROUGHNESS PPS	ISO 8791-4	%	1,7	1,7	1,7	1,7	1,7	1,7	1,7	1,7	1,6	1,8	2,0	2,1
GLOSS TAPPI 75°	ISO 8254-1	%	17	17	17	17	17	17	17	17	17	17	17	17
OPACITY	ISO 2471	%	92,5	93,5	95	96	96,5	97,5	98	98,5	98,5	99	99,5	100
RELATIVE HUMIDITY (23°C)	TAPPI 502	%	50	50	50	50	50	50	50	50	50	50	50	50
PH VALUE	ISO 6588	-	>7	>7	>7	>7	>7	>7	>7	>7	>7	>7	>7	>7

#### Print recommendations

Screen ruling	Suitable with all existing half tone technologies.
Printing Inks	Any good quality ink.
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 most standard finishes.
Converting	Pre-creasing before folding is recommended from 170gsm or 135microns. Crease channel depth should be 1.5 to 2mm x the thickness of the paper. When using a crease the width should be a minimum of 2x the paper thickness plus the thickness of the creasing knife (max 0,2mm).
Assisted drying methods	When using infra red drying methods, stack temperature should not exceed 37°C. Suitable for UV cure inks.

#### Mill and product certifications

MILL CERTIFICATION						PRODUCT CERTIFICATION				
EMAS	ISO 14001	ISO 9001	OHSAS 18001	PEFC C.o.C	FSC™ C.o.C	ECF	PEFC credit material	FSC™ Mix	Food contact	Toy safety
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

FSC™ & PEFC may have limited availability, please check with your local sales office.  
To learn more about all of these certifications and to receive copies please contact your local sales office.

#### Target production values

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

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