

conqueror⁴

 arjowiggins

Conqueror

Bamboo

Common attributes	Test method	100g	120g	160g	250g	350g	400g	
Wood pulp & bleach type		Bamboo Pulp, FSC ECF Virgin Woodfree						
Printing process suitability		Litho, Letterpress, Silk screen, Dry offset (Toray)						
Mono laser guaranteed		Yes		Not guaranteed for office print technologies				
Colour laser guaranteed								
Mono ink jet guaranteed								
Colour ink jet guaranteed								
Recommended pH of fount solution		5.5 ± 0.5						
Surface pH	TAPPI 5290M	≈ 7.5						
Non aging credentials	ISO 9706	Yes						
Environmental label	ISO 14001	Yes						
Quality management	ISO 9002 : 2000	Yes						
Moisture content (%)	ISO 287	5,7			6,7			
Relative humidity (%)	TAPPI T502	35 - 55			40 - 60			
Caliper (µm)	ISO 534	145	160	210	330	440	510	
Whitest shade opacity (%)	ISO 2471	92	88	94	-	-	-	
Bendtsen roughness (ml/min)	ISO 2494	400	400	800	1100	1200	1200	
Stiffness (mN)	M direction	ISO 2493	13	20	35	200	400	650
	C direction	L+W, TABER	6	10	20	95	180	310

These specifications are the property of Arjowiggins Creative Papers and may be changed without prior notice.

They are target values only for use as a guide.



Conqueror

Connoisseur 100% Cotton

Common attributes		Test method	110g	160g	300g
Wood pulp & bleach type			ECF Cotton Linters		
Printing process suitability			Litho, Letterpress, Silk screen, Dry offset (Toray)		
Mono laser guaranteed			Yes	Not guaranteed for office print technologies	
Colour laser guaranteed					
Mono ink jet guaranteed					
Colour ink jet guaranteed					
Recommended pH of fount solution			5.5 ± 0.5		
Surface pH		TAPPI 5290M	7,5		
Non aging credentials		ISO 9706	no but >100 yrs	Yes	
Environmental label		ISO 14001	Yes		
Quality management		ISO 9002 : 2000	Yes		
Moisture content (%)		ISO 287	6	6,5	
Relative humidity (%)		TAPPI T502	40 - 60		
Caliper (µm)		ISO 534	165	256	475
Whitest shade opacity (%)		ISO 2471	92	96	-
Bendtsen roughness (ml/min)		ISO 2494	1000	1000	1000
Stiffness (mN)	M direction	ISO 2493	240	400	160
Stiffness (mN)	C direction	L+W, <i>TABER</i>	120	200	80

These specifications are the property of Arjowiggins Creative Papers and may be changed without prior notice.

They are target values only for use as a guide.



Conqueror

Wove

Common attributes		Test method	80g	90g	100g	120g	160g	220g	300g	350g	400g	
Wood pulp & bleach type			ECF Cotton Linters, FSC ECF Virgin Woodfree									
Printing process suitability			Litho, Letterpress, Silk screen, Dry offset (Toray)									
Mono laser guaranteed			Yes				Not guaranteed for office print technologies					
Colour laser guaranteed												
Mono ink jet guaranteed												
Colour ink jet guaranteed												
Recommended pH of fount solution			5.5 ± 0.5									
Surface pH		TAPPI 5290M	= 7.5									
Non aging credentials		ISO 9706	Yes									
Environmental label		ISO 14001	Yes									
Quality management		ISO 9002 : 2000	Yes									
Moisture content (%)		ISO 287	5,7					6,7				
Relative humidity (%)		TAPPI T502	35 - 55					40 - 60				
Caliper (µm)		ISO 534	104	117	130	156	208	280	350	410	469	
Whitest shade opacity (%)		ISO 2471	84	86	87	91	95	-	-	-	-	
Bendtsen roughness (ml/min)		ISO 2494	220	220	220	220	220	400	220	220	220	
Stiffness (mN)		M direction	ISO 2493	100	150	200	300	80	100	160	240	446
Stiffness (mN)		C direction	L+W, <i>TABER</i>	60	90	120	180	40	60	80	120	212

These specifications are the property of Arjowiggins Creative Papers and may be changed without prior notice.

They are target values only for use as a guide.



Conqueror

Wave Recycled

Common attributes	Test method	100g	120g	160g	220g	300g
Wood pulp & bleach type		25% Recycled Post-consumer Fibre & 75% ECF FSC Virgin Fibre. 100% Post-consumer Fibre				
Printing process suitability		Litho, Letterpress, Silk screen, Dry offset (Toray)				
Mono laser guaranteed		Yes			Not guaranteed for office print technologies	
Colour laser guaranteed						
Mono ink jet guaranteed						
Colour ink jet guaranteed						
Recommended pH of fount solution		5.5 ± 0.5				
Surface pH	TAPPI 5290M	≈ 7.5				
Non aging credentials	ISO 9706	Yes				
Environmental label	ISO 14001	Yes				
Quality management	ISO 9002 : 2000	Yes				
Moisture content (%)	ISO 287	5,7			6,7	
Relative humidity (%)	TAPPI T502	35 - 55			40 - 60	

Wave 25% Recycled

Caliper (µm)	ISO 534	130	-	208	-	330
Whitest shade opacity (%)	ISO 2471	87	-	95	-	-
Bendtsen roughness (ml/min)	ISO 2494	200	-	220	-	200
Stiffness (mN)	M direction ISO 2493	200	-	80	-	160
Stiffness (mN)	C direction L+W, TABER	120	-	40	-	80

Wave 100% Recycled

Caliper (µm)	ISO 534	130	156	208	310	330
Whitest shade opacity (%)	ISO 2471	90	93	94	-	-
Bendtsen roughness (ml/min)	ISO 2494	200	200	200	200	200
Stiffness (mN)	M direction ISO 2493	-	-	68	80	190
Stiffness (mN)	C direction L+W, TABER	-	-	35	40	79

These specifications are the property of Arjowiggins Creative Papers and may be changed without prior notice.

They are target values only for use as a guide.



Conqueror

CX22

Common attributes	Test method	90g	100g	120g	160g	250g	320g	350g	400g	
Wood pulp & bleach type		ECF Cotton Linters, FSC ECF Virgin Woodfree								
Printing process suitability		Litho, Letterpress, Silk screen, Dry offset (Toray)								
Mono laser guaranteed		Yes				Not guaranteed for office print technologies				
Colour laser guaranteed										
Mono ink jet guaranteed										
Colour ink jet guaranteed										
Recommended pH of fount solution		5.5 ± 0.5								
Surface pH	TAPPI 5290M	≈ 7.5								
Non aging credentials	ISO 9706	Yes								
Environmental label	ISO 14001	Yes								
Quality management	ISO 9002 : 2000	Yes								
Moisture content (%)	ISO 287	5,7				6,7				
Relative humidity (%)	TAPPI T502	35 - 55				40 - 60				
Caliper (µm)	ISO 534	108	120	137	180	270	345	365	420	
Whitest shade opacity (%)	ISO 2471	90	93	94	95	-	-	-	-	
Bendtsen roughness (ml/min)	ISO 2494	50	50	50	50	50	60	60	60	
Stiffness (mN)	M direction	ISO 2493	150	200	300	60	100	200	220	315
	C direction	L+W, TABER	90	120	180	30	55	100	110	166

These specifications are the property of Arjowiggins Creative Papers and may be changed without prior notice.

They are target values only for use as a guide.



Conqueror CX22 Recycled

Common attributes	Test method	100g	120g	160g	320g
Wood pulp & bleach type		25% Recycled Post Consumer Fibre and 75% ECF FSC virgin fibre. 100% Post Consumer Fibre			
Printing process suitability		Litho, Letterpress, Silk Screen, Dry Offset (Toray)			
Mono laser guaranteed		Yes			Not guaranteed for office print technology
Colour laser guaranteed					
Mono ink jet guaranteed					
Colour ink jet guaranteed					
Recommended pH of fount solution		5.5 ± 0.5			
Surface pH	TAPPI 5290M	≈ 7.5			
None aging credentials	ISO 9706	Yes			
Environmental label	ISO 14001	Yes			
Quality management	ISO 9002 : 2000	Yes			
Moisture content (%)	ISO 287	5,7			6,7
Relative humidity (%)	TAPPI T502	35 - 55			40 - 60

CX22 25% Recycled

Caliper (µm)	ISO 534	120	-	172	345	
Whitest shade opacity (%)	ISO 2471	87	-	95	-	
Bendtsen roughness (ml/min)	ISO 2494	50	-	50	60	
Stiffness (mN)	M direction	ISO 2493	190	-	50	200
Stiffness (mN)	C direction	L+W, <i>TABER</i>	100	-	28	100

CX22 100% Recycled

Caliper (µm)	ISO 534	120	137	172	345	
Whitest shade opacity (%)	ISO 2471	89,5	93	95	-	
Bendtsen roughness (ml/min)	ISO 2494	50	50	50	60	
Stiffness (mN)	M direction	ISO 2493	180	275	45	204
Stiffness (mN)	C direction	L+W, <i>TABER</i>	90	138	25	79

These specifications are the property of Arjowiggins Creative Papers and may be changed without prior notice.

They are target values only for use as a guide.



Conqueror

Iridescent

Common attributes	Test method	100g	120g	160g	250g	350g
Wood pulp & bleach type		ECF Cotton Linters, FSC ECF Virgin Woodfree				
Printing process suitability		Litho, Letterpress, Silk screen, Dry offset (Toray)				
Mono laser guaranteed		Yes			Not guaranteed for office print technologies	
Colour laser guaranteed						
Mono ink jet guaranteed						
Colour ink jet guaranteed						
Recommended pH of fount solution		5.5 ± 0.5				
Surface pH	TAPPI 5290M	≈ 7.5				
Non aging credentials	ISO 9706	Yes				
Environmental label	ISO 14001	Yes				
Quality management	ISO 9002 : 2000	Yes				
Moisture content (%)	ISO 287	5,5			6,5	
Relative humidity (%)	TAPPI T502	35 - 45			40 - 60	
Caliper (µm)	ISO 534	120	140	190	295	415
Whitest shade opacity (%)	ISO 2471	90	92	93,5	-	-
Bendtsen roughness (ml/min)	ISO 2494	300	300	300	300	250

Stiffness is not a part of specification for this grade.

These specifications are the property of Arjowiggins Creative Papers and may be changed without prior notice.

They are target values only for use as a guide.



Conqueror

Laid

Common attributes		Test method	80g	90g	100g	120g	160g	220g	250g	300g	350g	400g	
Wood pulp & bleach type			ECF Cotton Linters, FSC ECF Virgin Woodfree										
Printing process suitability			Litho, Letterpress, Silk screen, Dry offset (Toray)										
Mono laser guaranteed			Yes		Not guaranteed for office print technologies								
Colour laser guaranteed			Yes										
Mono ink jet guaranteed			Yes										
Colour ink jet guaranteed			Yes										
Recommended pH of fount solution			5.5 ± 0.5										
Surface pH		TAPPI 5290M	≈ 7.5										
Non aging credentials		ISO 9706	Yes										
Environmental label		ISO 14001	Yes										
Quality management		ISO 9002 : 2000	Yes										
Moisture content (%)		ISO 287	5.7					6.7					
Relative humidity (%)		TAPPI T502	35 - 55					40 - 60					
Caliper (µm)		ISO 534	116	131	145	168	222	310	355	430	500	570	
Whitest shade opacity (%)		ISO 2471	84	86	88	91	94	-	-	-	-	-	
Bendtsen roughness (ml/min)		ISO 2494	850	850	900	900	1200	1700	1700	1700	1700	1800	
Stiffness (mN)		M direction	ISO 2493	100	150	200	300	80	100	150	240	375	610
Stiffness (mN)		C direction	L+W, <i>TABER</i>	60	90	120	180	45	60	80	130	165	297

These specifications are the property of Arjo Wiggins Fine Papers Ltd and may be changed without prior notice.

They are target values only for use as a guide.



Conqueror

Laid Recycled

Common attributes	Test method	100g	120g	220g	300g
Wood pulp & bleach type		25% Recycled Post-consumer Fibre & 75% ECF FSC Virgin Fibre. 100% Post-consumer Fibre			
Printing process suitability		Litho, Letterpress, Silk screen, Dry offset (Toray)			
Mono laser guaranteed		Yes	Not guaranteed for office print technologies		
Colour laser guaranteed					
Mono ink jet guaranteed					
Colour ink jet guaranteed					
Recommended pH of fount solution		5.5 ± 0.5			
Surface pH	TAPPI 5290M	≈ 7.5			
Non aging credentials	ISO 9706	Yes			
Environmental label	ISO 14001	Yes			
Quality management	ISO 9002 : 2000	Yes			
Moisture content (%)	ISO 287	5,7		6,7	
Relative humidity (%)	TAPPI T502	35 - 55		40 - 60	

25% Recycled Laid

Caliper (µm)	ISO 534	145	-	-	430	
Whitest shade opacity (%)	ISO 2471	90	-	-	-	
Bendtsen roughness (ml/min)	ISO 2494	900	-	-	1700	
Stiffness (mN)	M direction	ISO 2493	190	-	-	240
Stiffness (mN)	C direction	L+W, TABER	100	-	-	130

100% Recycled Laid

Caliper (µm)	ISO 534	145	167	310	430	
Whitest shade opacity (%)	ISO 2471	90	93	-	-	
Bendtsen roughness (ml/min)	ISO 2494	900	900	1650	1650	
Stiffness (mN)	M direction	ISO 2493	180	260	100	240
Stiffness (mN)	C direction	L+W, TABER	90	120	60	106

These specifications are the property of Arjo Wiggins Fine Papers Ltd and may be changed without prior notice.

They are target values only for use as a guide.



Conqueror Contour

Common attributes	Test method	100g	120g	160g	300g
Wood pulp & bleach type		ECF Cotton Linters, FSC ECF Virgin Woodfree			
Printing process suitability		Litho, Letterpress, Silk screen, Dry offset (Toray)			
Mono laser guaranteed		Yes	Not guaranteed for office print technologies		
Colour laser guaranteed					
Mono ink jet guaranteed					
Colour ink jet guaranteed					
Recommended pH of fount solution		5.5 ± 0.5			
Surface pH	TAPPI 5290M	≈ 7.5			
Non aging credentials	ISO 9706	Yes			
Environmental label	ISO 14001	Yes			
Quality management	ISO 9002 : 2000	Yes			
Moisture content (%)	ISO 287	5,7			6,7
Relative humidity (%)	TAPPI T502	35 - 55			40 - 60
Caliper (µm)	ISO 534	132*		210*	
Whitest shade opacity (%)	ISO 2471	#			-
Bendtsen roughness (ml/min)	ISO 2494	Ω 800	Ω 800	Ω 800	Ω 1300

*Due to the embossing process the thickness of the paper will vary so the caliper values are for guidance only.

The embossing process changes the opacity of the paper and it is therefore not possible to give accurate values.

For further details, please call your Arjo Wiggins Fine Papers Sales Office.

Ω Conqueror Contour is textured to a visual standard. Therefore, it is not possible to give accurate roughness or stiffness values.

These specifications are the property of Arjowiggins Creative Papers and may be changed without prior notice.

They are target values only for use as a guide.



Conqueror

Stonemarque

Common attributes	Test method	100g	120g	160g	220g	300g	
Wood pulp & bleach type		ECF Cotton Linters, FSC ECF Virgin Woodfree					
Printing process suitability		Litho, Letterpress, Silk screen, Dry offset (Toray)					
Mono laser guaranteed		Yes		Not guaranteed for office print technologies			
Colour laser guaranteed							
Mono ink jet guaranteed							
Colour ink jet guaranteed							
Recommended pH of fount solution		5.5 ± 0.5					
Surface pH	TAPPI 5290M	≈ 7.5					
Non aging credentials	ISO 9706	Yes					
Environmental label	ISO 14001	Yes					
Quality management	ISO 9002 : 2000	Yes					
Moisture content (%)	ISO 287	5,7		6,7			
Relative humidity (%)	TAPPI T502	35 - 55		40 - 60			
Caliper (µm)	ISO 534	159*	187*	230*	320	420*	
Whitest shade opacity (%)	ISO 2471	90	92	95	-	-	
Bendtsen roughness (ml/min)	ISO 2494	Ω 1100	Ω 1100	Ω 1500	Ω 1500	Ω 1500	
Stiffness (mN)	M direction	ISO 2493	200	280	25	130	160
Stiffness (mN)	C direction	L+W, <i>TABER</i>	100	150	15	65	80

*Due to the texturing process the thickness of the paper will vary hence this figure is a guide only.

Ω Conqueror Stonemarque is textured to a visual standard. Therefore, it is not possible to give accurate roughness values.

These specifications are the property of Arjowiggins Creative Papers and may be changed without prior notice.

They are target values only for use as a guide.



Conqueror

High Speed Laser

Common attributes	Test method	90g
Wood pulp & bleach type		ECF Cotton Linters, FSC ECF Virgin Woodfree
Printing process suitability		Litho, Letterpress, Silk screen, Dry offset (Toray)
Mono laser guaranteed		Fully guaranteed for all office print technologies
Colour laser guaranteed		
Mono ink jet guaranteed		
Colour ink jet guaranteed		
Recommended pH of fount solution		5.5 ± 0.5
Surface pH	TAPPI 5290M	≈ 7.5
Non aging credentials	ISO 9706	Yes
Environmental label	ISO 14001	Yes
Quality management	ISO 9002 : 2000	Yes
Moisture content (%)	ISO 287	< 5.0
Relative humidity (%)	TAPPI T502	25 - 35

Wove

Caliper (µm)		ISO 534	113
Whitest shade opacity (%)		ISO 2471	86
Bendtsen roughness (ml/min)		ISO 2494	200
Stiffness (mN)	M direction	ISO 2493	150
Stiffness (mN)	C direction	L+W	90

Laid

Caliper (µm)		ISO 534	131
Whitest shade opacity (%)		ISO 2471	86
Bendtsen roughness (ml/min)		ISO 2494	Reverse side 900, Print side 200
Stiffness (mN)	M direction	ISO 2493	150
Stiffness (mN)	C direction	L+W	90

These specifications are the property of Arjo Wiggins Fine Papers Ltd and may be changed without prior notice.

They are target values only for use as a guide.

