

ESTD  1888

Conqueror

CREATIVE
POWER

by antalis

November 2024

Produced to exacting standards since 1888, Conqueror is recognized as the superior choice for brand identity. The distinctive touch and appearance of its 3 finishes and 6 shades of white and cream have become the international standard for quality as well as its renowned watermark.

Printing Guidelines

Screen Ruling

For optimum printing results, a 133 to 150 dpi screen should be used. Finer screens, up to a maximum of 200 dpi, can also give very good results with careful control of ink density. For dark, coloured images with a higher ink density, it may be necessary to remove some of the colour, depending on the quality of the image. This also reduces the drying time of the ink.

Printing Inks

Conventional positive drying inks should be used with or without infrared drying aids. UV inks can also be used. Avoid using inks that remain fresh overnight or that are stable in the ducts (this is essential for CX22, for which fully oxidising inks are recommended). Anti-stripping spray is recommended when printing several colours, especially for the CX22. Use laser-stable inks for subsequent laser printing. Consult your ink supplier for specific projects to ensure the ink is suitable.

Litho Printing

For best results on textured and embossed papers, increase the blanket pressure or use a softer blanket to ensure even ink deposit.

Varnishing

To obtain a gloss varnish, it is essential to pre-seal the surface. UV matt varnish for screen printing should be used first, followed by an application of UV gloss varnish to achieve the desired effect. Make sure you use appropriate inks before varnishing and that the inks are completely dry before applying the varnish. Not recommended for paper weights.

Blind Embossing

Blind embossing produces a final result that is attractive from the outside. For the following laser, we recommend shallow embossing to allow good feeding and avoid damaging the embossing.

Hot Foil Blocking

All finishes in the Conqueror range can be marked with film. The film blocker can recommend the most suitable film for the image and paper chosen.

Silk Screen

All finishes can be successfully silkscreened.

Office Printing

Conqueror Wove and CX22 up to and including 160g, Laid up to and including 100g papers are guaranteed for pre-printing and subsequent use on all desk-top mono and colours, laser and inkjet machines, as well as copiers and digital all-in-ones, subject to manufacturers' guidance on weight and use.

Digital technologies

Conqueror is suitable for Dry Toner and Conqueror Digital is certified for HP Indigo printing.



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Dry Toner ®

Property & Unit	Standard	Brilliant White	Diamond White	High White	Oyster	Cream	Vellum	Soft white
BRIGHTNESS TS/WS	ISO 2470	112.7	115.3	94	77.8	67.1	57.9	88±1
WHITENESS	-	143.4	157.6	101.1	55	27	-11	76±3
C.I.E. "L" [X-Rite] TS	ISO 7724-2	98.2	96.67	96.02	94.68	92.39	92.35	97.4
C.I.E. "a" [X-Rite] TS	ISO 7724-2	2.6	2.68	1.42	-0.21	0.68	2.34	-0.2
C.I.E. "b" [X-Rite] TS	ISO 7724-2	-11	-14.98	-2.47	7	11.70	20.04	3.8

These values are to be considered only as indications and are subject to change according to trade tolerances in the quality specification. Issue date: November 2024



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Dry Toner ®

Property & Unit	Standard	90	100	120	160	220	300	350	400
GSM (g/m ²)	ISO 536	90	100	120	160	220	300	350	400
THICKNESS (µm)	ISO 534	117	130	156	208	288	350	410	470
COBB TEST TS/WS(g/m ²)	ISO 535	24	24	24	24	24	24	24	24
DIFFUSE OPACITY(%)	ISO 2471	88	90	91	95	98	98	-	-
ROUGHNESS [Bendtsen] TS/WS(ml/min)	ISO 8791-2	220	220	220	220	220	220	300	300
WAX PICK (Dennison). TS/WS(n°)	T 459 om-88	18	18	18	18	18	18	18	18
MOISTURE CONTENT (%)	EDP	5.5	5.5	5.5	6	6	6	6	6
ASH CONTENT (%)	ISO 2144	15	15	15	15	15	15	15	15

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Dry Toner ®

Property & Unit	Standard	90	100	120	160	220	250	300	350	400
GSM (g/m ²)	ISO 536	90	100	120	160	220	250	300	350	400
THICKNESS (µm)	ISO 534	131	145	168	230	310	336	430	500	570
COBB TEST TS/WS(g/m ²)	ISO 535	24	24	24	24	24	24	24	24	24
DIFFUSE OPACITY(%)	ISO 2471	88	90	91	95	-	-	-	-	-
ROUGHNESS [Bendtsen] TS (ml/min)	ISO 8791-2	1200	1300	1400	1600	1100	1400	1600	1800	1800
ROUGHNESS [Bendtsen] WS (ml/min)	ISO 8791-2	850	1000	1100	1100	1100	1400	1600	1800	1800
WAX PICK (Dennison). TS/WS(n°)	T 459 om-88	18	18	18	18	18	18	18	18	18
MOISTURE CONTENT (%)	EDP	5.5	5.5	5.5	6	5.8	5;5	6	6	6
ASH CONTENT (%)	ISO 2144	15	15	15	15	15	15	15	15	15

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Dry Toner ®

Property & Unit	Standard	90	100	120	160	250	320	350	400
GSM (g/m ²)	ISO 536	90	100	120	160	250	320	350	400
THICKNESS (µm)	ISO 534	108	120	137	180	270	330	361	412
COBB TEST TS/WS(g/m ²)	ISO 535	24	24	24	24	24	26	26	26
DIFFUSE OPACITY(%)	ISO 2471	89	90	91	91	98	98	98	98
ROUGHNESS [Bendtsen] TS/WS(ml/min)	ISO 8791-2	45	45	45	45	60	60	60	60
WAX PICK (Dennison). TS/WS(n°)	T 459 om-88	18	18	18	18	18	18	18	18
MOISTURE CONTENT (%)	EDP	5.5	5.5	5.5	6.3	6	7	7	7
ASH CONTENT (%)	ISO 2144	15	15	15	15	15	14	14	14

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Property & Unit	Standard				
GSM (g/m ²)	ISO 536	120	160	300	600
THICKNESS (µm)	ISO 534	200-220	260-300	470-530	570-630
MOISTURE CONTENT (%)	ISO 287	5.7-7.3	5.7-7.3	5.7-7.3	5.7-7.3
COBB TEST TS/WS(g/m ²)	ISO 535	20-30	20-30	20-30	20-30
ROUGHNESS [Bendtsen] TS/WS(ml/min)	ISO 8791-2	>2500	>3000	>4500	>4500
ASH CONTENT (%)	ISO 1762	3-10	3-10	3-10	3-10
WAX PICK (Dennison). TS/WS(n°)	T459	>18	>18	>18	>18

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Property & Unit	Standard				
GSM (g/m ²)	ISO 536	120	160	300	600
THICKNESS (µm)	ISO 534	136-154	178-202	275-315	705-795
MOISTURE CONTENT (%)	ISO 287	5.7-7.3	5.7-7.3	5.7-7.3	5.7-7.3
COBB TEST TS/WS(g/m ²)	ISO 535	20-30	20-30	20-30	20-30
ROUGHNESS [Bendtsen] TS/WS(ml/min)	ISO 8791-2	300±100	300±100	300±100	300±100
ASH CONTENT (%)	ISO 1762	3-10	3-10	3-10	3-10
WAX PICK (Dennison). TS/WS(n°)	T459	>18	>18	>18	>18

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Subject : **STATEMENT ON COTTON LINTERS NOT FROM THE XINJIANG REGION OF CHINA**

Reference : [REDACTED]

The writing company [REDACTED]

DECLARES

that, as stated directly by our cotton linters' suppliers, none of the cotton linters used in our paper products originate from the Xinjiang region of China, but they are all sourced from Argentina, Brazil, Turkey, USA and specifically from the following countries and areas:

- in Argentina from:
 - Zone 1: North. Santa Fe region

- in Brazil from:
 - Zone 1: South-west. Mato Grosso region
 - Zone 2: North-East. Ceará region.
 - Zone 3: East. Bahia region

- in Turkey from:
 - Zone 1: South-East. Area formed by Adana - Gaziantep - Sanliurfa - Diyarbakir
 - Zone 2: South - Antalya area
 - Zone 3: West Coast - Izmir area

- in the USA from: Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, Missouri, Oklahoma, Tennessee, Texas

The cotton used in our graphic papers (cotton linter cellulose) consists of fibers that remain attached to the cotton seed after ginning. These fibers are too short to be used for producing textiles. The short fuzz adhering more closely to the seeds is called "linter" and serves as a source of very pure cellulose. The processing to produce cotton linters occurs at the level of the cotton seed during cleaning before pressing. The waste from this cleaning (1st and 2nd cut) is the raw linter that we use in our papers. Cotton linter is a byproduct of virgin cotton production for the textile industry. It is not considered a recycled product by the textile industry because it actually represents the last usable part of the plant from harvesting.

[REDACTED] we are committed to maintaining the highest ethical standards and ensuring that our supply chain is free from any materials that may be associated with forced labor or other unethical practices.

We are monitoring closely our suppliers and their sourcing country of origin.

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