

ESTD  1888

Conqueror

CREATIVE
POWER

by antalis

October 2023

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.



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

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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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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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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	316	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	70	70	70
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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