



# Conqueror

CREATIVE  
POWER

by antalis

March 2024

Produced to exacting standards since 1888, Conqueror is recognized as the superior choice for brand identity. The distinctive touch and appearance of Conqueror's 3 finishes are also available for digital printing with Conqueror Digital.

Conqueror Digital is certified for HP Indigo, suitable for Dry Toner and ready-to-use in SRA3+ and B2+ formats.



## 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
BRIGHTNESS TS/WS	ISO 2470	112.7	115.3
WHITENESS	-	143.4	157.6
C.I.E. "L" [X-Rite] TS	ISO 7724-2	98.2	96.67
C.I.E. "a" [X-Rite] TS	ISO 7724-2	2.6	2.68
C.I.E. "b" [X-Rite] TS	ISO 7724-2	-11	-14.98

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



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Dry Toner ®



Property & Unit	Standard	
GSM (g/m²)	ISO 536	300
THICKNESS (µm)	ISO 534	350
COBB TEST TS/WS(g/m²)	ISO 535	24
DIFFUSE OPACITY(%)	ISO 2471	98
ROUGHNESS [Bendtsen] TS/WS(ml/min)	ISO 8791-2	220
WAX PICK (Dennison). TS/WS(n°)	T 459 om-88	18
MOISTURE CONTENT (%)	EDP	6
ASH CONTENT (%)	ISO 2144	15

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Dry Toner ®



Property & Unit	Standard	
GSM (g/m²)	ISO 536	300
THICKNESS (µm)	ISO 534	430
COBB TEST TS/WS(g/m²)	ISO 535	24
DIFFUSE OPACITY(%)	ISO 2471	-
ROUGHNESS [Bendtsen] TS (ml/min)	ISO 8791-2	1600
ROUGHNESS [Bendtsen] WS (ml/min)	ISO 8791-2	1600
WAX PICK (Dennison). TS/WS(n°)	T 459 om-88	18
MOISTURE CONTENT (%)	EDP	6
ASH CONTENT (%)	ISO 2144	15

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Dry Toner ®



Property & Unit	Standard	
GSM (g/m²)	ISO 536	320
THICKNESS (µm)	ISO 534	330
COBB TEST TS/WS(g/m²)	ISO 535	26
DIFFUSE OPACITY(%)	ISO 2471	98
ROUGHNESS [Bendtsen] TS/WS(ml/min)	ISO 8791-2	60
WAX PICK (Dennison). TS/WS(n°)	T 459 om-88	18
MOISTURE CONTENT (%)	EDP	7
ASH CONTENT (%)	ISO 2144	14

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