

# Technical Fact Sheet



## Conqueror Smooth CX22 FSC (S)

Conqueror CX22 is an ultra-smooth, shiny business paper intended to produce outstanding high-definition prints and designed with a low-friction surface to avoid paper jams during high volume printing. This creative CX22 paper features a silky surface and satin finish, ideal to create high-end corporate communication materials, or modern and luxury publications such as product presentations, sophisticated brochures, important press releases or prestigious business cards.



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### Features

- Ultra smooth finish
- Available with watermark
- Dry toner digital machine compatible
- FSC® Certified (licensed code FSC® C010628)

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## Environmental Credentials

- FSC® Certified (licensed code FSC® C010628)
- ISO 14001
- ISO 9001
- ECF
- Fully Recyclable

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## Application Text

- Annual Reports
- Manuals
- Booklets
- Brochures
- Business stationery
- Calendars
- Certificates
- Diaries
- Direct mail
- Envelopes
- Flyers
- Gift bags
- Greetings cards

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- Inserts
- Invitations
- Menus
- Notebooks/pads
- Posters
- Presentation stationery
- Promotional print
- Show cards
- Swing tags

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## Important Note

All statements, technical information and recommendation are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties of merchantability and fitness for the purpose: Sellers and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith.

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## Print Process

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## **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.

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## Size Availability

	SHEET SIZE	GSM					
		100	220	250	300	320	400
CONQUEROR							
Conqueror CX22 Diamond White WM	450x640	*					
Conqueror CX22 Diamond White	720x1020			*		*	

## Technical Data

Property & Unit	Standard	Brilliant White	Diamond White	High White	Cream
BRIGHTNESS TS/WS	ISO 2470	112.7	115.3	94	67.1
WHITENESS	-	143.4	157.6	101.1	27
CIE "L" (X-Rite) TS	ISO 7724-2	98.2	96.67	96.02	92.39