

CONQUEROR CX22 BRILLIANT WHITE

conqueror[†]
†smooth/satin



Substance g/m ²	100	320
Caliper µm (approx)	120	345
Opacity (ISO) %	92	
Brightness (ISO) D65	111	111
Whiteness CIE D65	141	141
Smoothness (Bendtsen) ml/min TS	50	50
Smoothness (Bendtsen) ml/min WS	50	50
Rigidity (Taber Stiffness Units) 15° MD	3.9	116
Rigidity (Taber Stiffness Units) 15° CD	2.6	47
Surface pH	7.6	7.6

Technical Capability

Printing Process	Litho
Screen Ruling	Up to 200
Printing Inks	Fully oxidising or conventional, UV and IR. High temperature resistant fully oxidising ink for litho pre-print when subsequent laser printing. Avoid press stable inks.
Embossing	Yes
Varnishing	Board substances only - Machine or UV screen varnishing are both possible, provided it is carried out on top of emulsion sealing. For high gloss results it will be necessary to matt UV varnish on top of emulsion sealer before gloss UV varnishing. Good results have been obtained by spot varnishing on solids or dense tones by either method. Any varnish applied directly to unprinted areas of the sheet may cause variations in gloss levels
Emulsion Sealing	Board substances only - Yes
Hot Foil Blocking	Yes - laser grade foil available
Creasing	Pre-creasing is advisable on board weights by using a creasing matrix
Thermography	Yes
Copier Guaranteed	Mono and colour in paper weights only
Laser Guaranteed	Mono and colour in paper weights only
Inkjet Guaranteed	Mono and colour in paper weights only
Toy Safety	Yes, complies with EN71 Part 3 Toy Safety Regulations
Permanence of Paper	Yes, meets ISO9706 requirements for Permanence of Paper
Technical Advice Sheet	Technical advice leaflet 'A Guide to Laser Papers and Printing' is available for use with this product.

Environmental Information

Fibre Source	Virgin wood fibre from Spain and Sweden
Bleaching	Pulp is bleached using an Elemental Chlorine Free (ECF) process
Disposal	This material can be disposed of by recycling, incineration for energy recovery, composting and biodegradable
Accreditation	Produced at a mill that is certified with the ISO14001 environmental management standard

The Robert Horne Group is committed to the responsible purchasing of paper products. This commitment will be realised through a stepwise approach to responsible purchasing that utilises the best available techniques and information. Robert Horne requires its suppliers to abide by all local, state and national laws and international conventions. For further information and full Responsible Paper Purchasing Policy, visit: <http://www.roberthorne.co.uk/eviroment>

CONQUEROR CX22 DIAMOND WHITE

conqueror[†]
†smooth/satin



Substance g/m ²	100	250	320
Caliper µm (approx)	120	270	345
Opacity (ISO) %	92		
Brightness (ISO) D65	113	113	113
Whiteness CIE D65	157	157	157
Smoothness (Bendtsen) ml/min TS	50	50	50
Smoothness (Bendtsen) ml/min WS	50	50	50
Rigidity (Taber Stiffness Units) 15° MD	3.9	51	116
Rigidity (Taber Stiffness Units) 15° CD	2.6	24	47
Surface pH	7.6	7.6	7.6

Technical Capability

Printing Process	Litho
Screen Ruling	Up to 200
Printing Inks	Fully oxidising or conventional, UV and IR. High temperature resistant fully oxidising ink for litho pre-print when subsequent laser printing. Avoid press stable inks.
Embossing	Yes
Varnishing	Board substances only - Machine or UV screen varnishing are both possible, provided it is carried out on top of emulsion sealing. For high gloss results it will be necessary to matt UV varnish on top of emulsion sealer before gloss UV varnishing. Good results have been obtained by spot varnishing on solids or dense tones by either method. Any varnish applied directly to unprinted areas of the sheet may cause variations in gloss levels
Emulsion Sealing	Board substances only - Yes
Hot Foil Blocking	Yes - laser grade foil available
Creasing	Pre-creasing is advisable on board weights by using a creasing matrix
Thermography	Yes
Copier Guaranteed	Mono and colour in paper weights only
Laser Guaranteed	Mono and colour in paper weights only
Inkjet Guaranteed	Mono and colour in paper weights only
Toy Safety	Yes, complies with EN71 Part 3 Toy Safety Regulations
Permanence of Paper	Yes, meets ISO9706 requirements for Permanence of Paper
Technical Advice Sheet	Technical advice leaflet 'A Guide to Laser Papers and Printing' is available for use with this product.

Environmental Information

Fibre Source	Virgin wood fibre from Spain and Sweden
Bleaching	Pulp is bleached using an Elemental Chlorine Free (ECF) process
Disposal	This material can be disposed of by recycling, incineration for energy recovery, composting and biodegradable
Accreditation	Produced at a mill that is certified with the ISO14001 environmental management standard

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CONQUEROR CX22 HIGH WHITE

conqueror[†]
†smooth/satin



Substance g/m ²	100
Caliper µm (approx)	120
Opacity (ISO) %	92
Brightness (ISO) D65	92
Whiteness CIE D65	98
Smoothness (Bendtsen) ml/min TS	50
Smoothness (Bendtsen) ml/min WS	50
Rigidity (Taber Stiffness Units) 15° MD	3.9
Rigidity (Taber Stiffness Units) 15° CD	2.6
Surface pH	7.6

Technical Capability

Printing Process	Litho
Screen Ruling	Up to 200
Printing Inks	Fully oxidising, conventional, UV and IR. Stayfresh inks should be avoided. High temperature resistant fully oxidising ink for litho pre-print when subsequent laser printing.
Embossing	Yes
Hot Foil Blocking	Yes - laser grade foil available
Thermography	Yes
Copier Guaranteed	Mono and colour
Laser Guaranteed	Mono and colour
Inkjet Guaranteed	Mono and colour
Toy Safety	Yes, complies with EN71 Part 3 Toy Safety Regulations
Permanence of Paper	Yes, meets ISO9706 requirements for Permanence of Paper
Technical Advice Sheet	Technical advice leaflet 'A Guide to Laser Papers and Printing' is available for use with this product.

Environmental Information

Fibre Source	Virgin wood fibre from Spain and Sweden
Bleaching	Pulp is bleached using an Elemental Chlorine Free (ECF) process
Disposal	This material can be disposed of by recycling, incineration for energy recovery, composting and biodegradable
Accreditation	Produced at a mill that is certified with the ISO14001 environmental management standard

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CONQUEROR CX22 CREAM

conqueror[†]
†smooth/satin



Substance g/m ²	100
Caliper µm (approx)	120
Smoothness (Bendtsen) ml/min TS	50
Smoothness (Bendtsen) ml/min WS	50
Rigidity (Taber Stiffness Units) 15° MD	3.9
Rigidity (Taber Stiffness Units) 15° CD	2.6
Surface pH	7.6

Technical Capability

Printing Process	Litho
Screen Ruling	Up to 200
Printing Inks	Fully oxidising, conventional, UV and IR. Stayfresh inks should be avoided. High temperature resistant fully oxidising ink for litho pre-print when subsequent laser printing.
Embossing	Yes
Hot Foil Blocking	Yes - laser grade foil available
Thermography	Yes
Copier Guaranteed	Mono and colour
Laser Guaranteed	Mono and colour
Inkjet Guaranteed	Mono and colour
Toy Safety	Yes, complies with EN71 Part 3 Toy Safety Regulations
Permanence of Paper	Yes, meets ISO9706 requirements for Permanence of Paper
Technical Advice Sheet	Technical advice leaflet 'A Guide to Laser Papers and Printing' is available for use with this product.

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