

Cloud Nine Parchment (ECF) (2002 Quality)

Technical Information

4 = amendment : = addition 6 = deletion

Substance g/m ²	90	200	4
Caliper µm (approx)	125	250	4
Brightness (ISO) % **	90	90	4
Whiteness CIE D65 **	132	132	4
Smoothness (Bendtsen) TS ml/min WS	700 800	800 1000	4 4
Rigidity (Taber) 15° MD Stiffness Units CD	4.5 2	48.0 18.0	4 4

** Alto White Only

Environmental Information

CONSTITUENTS OF PAPER

Fibre Source – Virgin wood fibre from sawmill residues, forest thinnings and sustainable forest in Chile and Spain.

Mill Broke – All broke is recycled and can be as high as 40% of the total fibre content. **Filler** – approx 5 grammes.

BLEACHING

Pulps used in the production of the above grade are Elemental Chlorine Free (ECF) giving a resultant AOX level of < 0.5 kg per 1000 kg of pulp.

DISPOSAL OF WASTE BY-PRODUCTS

Landfill adhering to strict local laws. Only inert waste / materials that cannot be recycled. Solid waste ash used in the production of breeze blocks.

PAPER MILL EFFLUENT

Water used is suitably treated and in most cases returned to source in a better condition than when removed, in accordance with strict local laws.

ENERGY SOURCE

Gas, Coal

TOTAL GROSS PRIMARY ENERGY (Paper Mill)

10.87 Giga Joules / 1,000 kg of paper.

This material is recyclable and bio-degradable.

This product complies with EN71 (BS5665) Part 3 Toy Safety Regulations.

This Mill has ISO 9002 Accreditation.

This Mill has ISO 14001 Accreditation

Technical Capability

Printing Process	- Litho, Letterpress and Silk Screen
Screen Ruling	- Up to 150
Printing Inks	- Conventional, UV and IR are preferred, however Press Open inks have been found to be satisfactory.
Embossing	- Yes
Varnishing (board substances only)	- Machine or UV silk 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
Thermography	- Yes
Creasing	- Pre-creasing is advisable on 200 g/m ² using Channel Matrix and a rounded 2-point rule or similar.
Toy Safety	- Yes, EN71 (BS5665) Part 3

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