



Product

WFU paper (UPM Fine, Papers for copying and printing (A4/ A3), PrePrint papers, UPM DIGI Fine papers)

Company

UPM-Kymmene Corporation

Site

Nordland Papier

Information gathered from **1.1.2004** to **31.12.2004**

Environmental product declaration for paper

Environmental Management

Certified environmental management system (at the mill since) **ISO 14001 (1998), EMAS (1998)**

Environmental aspects of wood procurement

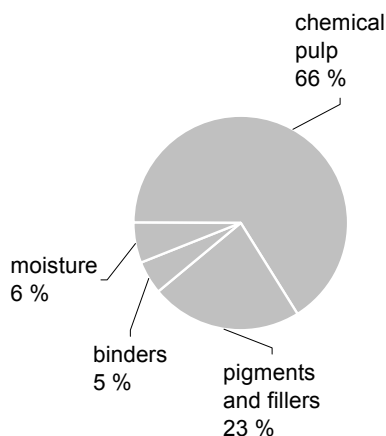
No fresh wood delivered to the mill, as the mill uses purchased chemical pulp only. According to the verified Chain of Custody, 37 % of the fibre used in paper production in 2004 came from PEFC certified forests.

Environmental parameters

The figures are based on methods and procedures of measurement approved by the local (or national) environmental regulators at the production site. The figures include both paper and pulp production.

Water	COD	13	kg/t
	AOX	0.08	kg/t
	N_{Tot}	n.a.	kg/t
	P_{Tot}	n.a.	kg/t
Air	SO₂	0.9	kg/t
	NO_x	1.2	kg/t
	CO₂ (fossil)	410	kg/t
Solid waste landfilled		19	BDkg/t
Purchased electricity consumption			
/ tonne of final product		560	kWh

Product composition



More information

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Future inktech

Technical details for Docelles

Production Unit:	Docelles
Description:	Woodfree uncoated paper for colour and b/w inkjet printing and copying.
Printing method:	B/W inkjet printing, B/W laser printing, Copying, Colour inkjet printing
End use:	Dissertations, CV , Invitations
Furnish:	Chemical pulp
Finish:	Machine finished
Wrapping:	Strong moisture proof polyethylene laminated kraft paper
Certified Management Systems:	ISO 14001, Permanent Paper ISO 9706, PEFC-Logo Licence, Chain of Custody, ISO 9001

Trim Properties

	PM 1
Trimmed Width (cm)	384
Maximum reel width (cm)	170
Minimum reel width (cm)	18
Maximum reel diameter (cm)	145
Minimum reel diameter (cm)	100
Maximum reel weight (kg)	2,000
Core options (mm)	152, 150, 76, 70

Technical Details for Docelles

Basis Weight (g/m ²)	80.0	90.0	100.0
Bulk (cm ³ /g)	1.34	1.32	1.31
Roughness Bendtsen (ml/min)	180	180	200
Brightness D65 (%)	114	114	114
CIE Whiteness (%)	172	172	172
Opacity ISO (%)	93	94	96

Tolerances are based upon 95% confidence limits on single mill measurements of random samples measured in manufacturing conditions.





UPM-Kymmene
Kymi

Information letter

1 (1)

Public

7 April, 2006

Technical marketing, Office Papers/Päivi
Forsberg

PERMANENT PAPER ISO 9706

According to permanent paper standard ISO 9706

The paper has to

- be neutral sized (AKD, ASA sizing agent)
- have pH 7,5 – 10
- contain at least 2 % Calcium Carbonate
- be made of fully bleached pulps (Kappa < 5)
- have tear resistance > 350 mN

Future lasertech, Future multitech and Future inktech fulfil the demands of this standard.

Sincerely,

Päivi Forsberg
Technical marketing of office papers

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