

Product	ZANDERS Elefantenhaut office 110 - 190g/m²
Company	M-real
Mill	Zanders Reflex, Germany

Information gathered from 01.01.2007 to 31.12.2007
Date of issue 09.05.2008

Environmental product declaration for paper

Environmental Management

Certified environmental management system (at the mill since) **ISO 14001 (2003)**

Company systems ensure traceability of the origin of wood yes no **100% recovered paper**

Certified PEFC chain of custody at mill since 2006.

Company management systems ensure traceability of the origin of wood.

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	18.9	kg/t
	AOX	0.131	kg/t
	N_{Tot}	0.235	kg/t
	P_{Tot}	0.031	kg/t

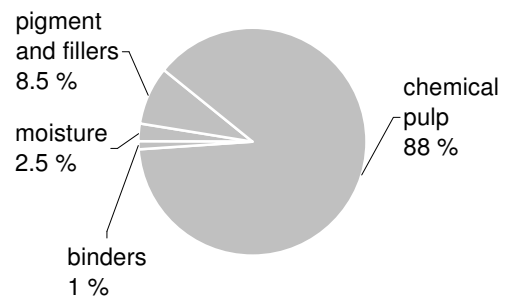
Air	SO₂	0.63	kg/t
	NO_x	1.73	kg/t
	CO₂ (fossil)	658	kg/t

Solid waste landfilled **30** BDkg/t

Purchased electricity consumption

/ tonne of final product **638** kWh

Product composition



More information

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Product **ZANDERS Elefantenhaut office 110 - 190g/m²**

Zanders Elefantenhaut office has been developed as a specialised paper with an inkjet and laser guarantee. It is not as sensitive as the graphic version. Available in white, ivory and light grey.

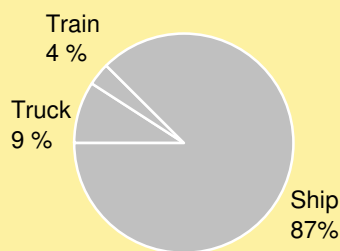
Mill info

M-real Zanders GmbH, Reflex Mill is located in Düren, Germany, 50 km west of Cologne. The capacity of the mill is over 100,000 t/a. The mill is a non-integrated mill and the waste water is treated in a municipal off-site effluent plant. The treated water is released to the river Rur. There is a gas fired power plant which operates on combined heat and power generation.

Transport

RAW MATERIAL - FIBRES

Transport modes



Average transport distance

Wood	352 km
Pulp	6,414 km
Recovered paper	km

(Information gathered from 1.1.2007 to 31.12.2007)

PRODUCTS

The main market for ZANDERS Elefantenhaut is central Europe. The company's policy is to maximise transport by ship or rail where practical and cost effective. Therefore Zanders has invested in two logistic centres – one for the Reflex Mill – to switch transport from road to rail. To overseas markets, the finished papers are transported in containers by rail and ship, to customers in central and Eastern Europe by road and rail.

Handling after use

PRODUCT

The preferred handling of the product is recycling, but the product is also biodegradable as compost or can be incinerated to produce energy.

PACKAGING

The packaging plastic and paper can be recycled or incinerated for energy production. Wooden pallets are best utilised as fuel in energy production.

Product ZANDERS Elefantenhaut office 110 - 190g/m²

Origin of wood

It is M-real's policy to use wood which comes from sustainably managed commercial forests. The aim is to continuously increase the proportion of certified wood entering the supply chain. The table shows the origin of all wood raw material in the product, by country, as total share of certified wood supplied from those countries with a certified chain of custody, and as share of certified wood by certification scheme. The total share of wood from certified forests in this product is 47%. For information on labelled products please contact M-real's local sales office.

The figures include all wood used in product (Information gathered from 1.1.2007 to 31.12.2007)

Countries of wood origin	Share of total wood supply (%)	Share of certified wood* (%)	Share of certified wood* by certification systems (%)
Sweden	48	43	38 FSC / 5 PEFC
Brazil	30	80	80 FSC
Latvia	6	10	10 FSC
Canada	6		
Lithuania	4	16	16 FSC
Estonia	3	12	12 FSC
Germany	2		
European Russia	<1		
Finland	<1		

* The figures indicate the average share of certified wood supplied with certified chain of custody.

Management systems

ISO 9001	No. 001127QMKM	(Quality Management System)
ISO 14001	No. 001127QMKM	(Environmental Management System)
OHSAS 18001	No. 001127 OH	(Occupational Health and Safety System)
PEFC CoC	No. DE 06/54718	(Chain of Custody of Wood)

Chemicals used as raw materials

No substances classified as carcinogenic, mutagenic or reprotoxic (CMR) are used as raw materials.