



PRODUCT **MUNKEN KRAFT**

COMPANY **ARCTIC PAPER S.A.**

MILL **ARCTIC PAPER KOSTRZYN S.A.**

Information gathered from 1.01.2022 to 31.12.2022 Date of issue 1.07.2023

## ENVIRONMENTAL PRODUCT DECLARATION FOR PAPER

### ENVIRONMENTAL MANAGEMENT

Certified environmental management system at ISO 14001 from April 2000

Company systems ensure traceability of the origin of wood: YES  NO  100% RECOVERED PAPER

Environmental aspects of wood procurement 44% of FSC and 56% of PEFC

### 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 pulp and paper production.

Water	Parameter	Value	Unit
	COD	16,3	kg/tonne
	AOX	0,06	kg/tonne
	NTot	0,16	kg/tonne
	PTot	0,02	kg/tonne

Air	Parameter	Value	Unit
	SO <sub>2</sub>	0,32	kg/tonne
	NO <sub>x</sub>	1,62	kg/tonne
	CO <sub>2</sub> (fossil)	501,4	kg/tonne

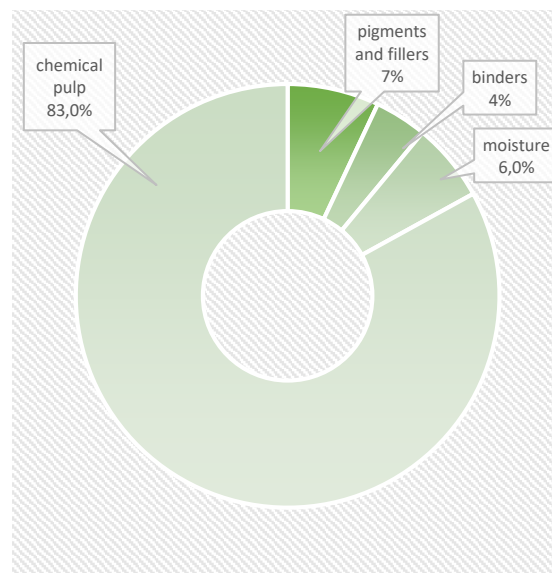
Solid waste landfilled 37,2 BDkg/tonne

Purchased electricity consumption  
/tonne of final product 149,6 kWh

### MORE INFORMATION

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### PRODUCT COMPOSITION



This product contains biomass carbon, equivalent to 1512 kg of CO<sub>2</sub> per tonne of product.

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# Arctic Paper Kostrzyn S.A.

## Paper Mill Environmental Declaration

### Product information: Munken Kraft HighWhite, Munken Kraft

Munken Kraft HighWhite, Munken Kraft is a machine finished Bleached Kraft paper with high whiteness / natural white shade, suitable for polymer-coating, various bag, wrapping and packaging applications. The paper is produced with a mixture of softwood and hardwood virgin fibre to give it high strength and good printability. Available in grammages from 38 to 70 g/m<sup>2</sup>.

The environmental data below reports only emission from the paper production and not emission in the total production chain from forest to customers.

### Mill Environmental Parameters 2022

### Mill Environmental Objectives 2023

		Product	BAT1	Description2
Water	Quantity <sup>3</sup>	10,7	< 15	m <sup>3</sup> /t
Water (kg/t)	COD	0,31	< 1,5	kg/t
	Ntot	0,080	< 0,1	kg/t
	P tot	0,003	< 0,012	kg/t
Air	SO <sub>2</sub>	0,03		kg/t
	NO <sub>2</sub>	0,46		kg/t
	CO <sub>2</sub>	418		kg/t
Energy	Steam	2041		kWh/t
	Process	525		kWh/t
Waste	Reuse	12,27		BDkg/t
	Landfill	0,27		BDkg/t

For more information about environmental objectives see EMAS environmental report

### Mill Environmental Objectives 2023

Minimizing water consumption by modernizing the water supply system.  
 Maintaining high efficiency of the water treatment plant.  
 Reducing consumption of natural resources by reducing specific electricity use - replacement of worn-out compressors  
 Reducing noise emissions to the environment by installing acoustic barrier systems

<sup>1</sup> BAT = Best available technique according IPPC.

<sup>2</sup> All figures expressed per ton of paper

<sup>3</sup> Effluent water from waste water treatment plant

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