

Product

WFU paper (UPM Fine, UPM preprint, envelope, label, digital and copy papers)

Company

UPM-Kymmene Corporation

Mill

Nordland Papier

Information gathered from 1.1.2017 to 31.12.2017

Date of issue 17.4.2018

Environmental product declaration for paper

Environmental Management

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

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

Mill has certified Chain of Custody for FSC and PEFC in place. Certified paper based on request and availability. Other certified management systems: ISO 50001 (Energy), OHSAS 18001 (Health&Safety),

ISO 9001 (Quality). Products granted with the EU Eco-label.

Copies of certificates available at www.upm.com

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	6.2	kg/tonne
	AOX	0.04	kg/tonne
	N_{Tot}	0.067	kg/tonne
	P_{Tot}	0.017	kg/tonne

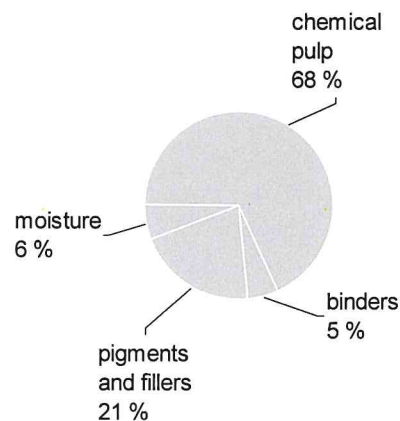
Air	SO₂	0.18	kg/tonne
	NO_x	1.21	kg/tonne
	CO₂ (fossil)	370	kg/tonne

Solid waste landfilled 21.8 BDkg/tonne

Purchased electricity consumption

/tonne of final product 510 kWh

Product composition



This product contains biomass carbon, equivalent to 1250 kg of CO₂ per tonne of product.

More information

Contact **Anne Lihvonen**

(Address) Alvar Aallon katu 1

FIN-00100 Helsinki, Finland

Phone +358 204 153 537

E-mail anne.lihvonen@upm.com

www.upm.com

UPM CARBON FOOTPRINT INFORMATION

Product **WFU paper** (UPM Fine, UPM preprint, envelope, label, digital and copy papers)

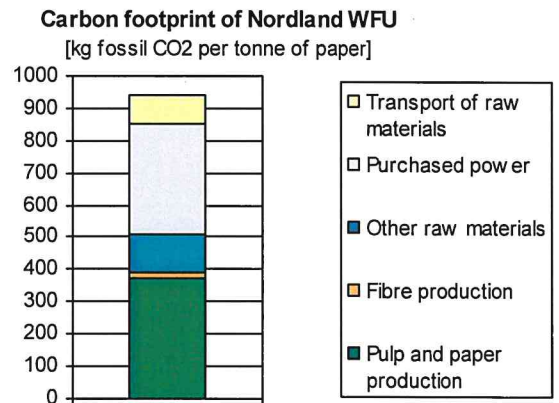
Company **UPM-Kymmene Corporation**

Site **Nordland Papier**

Information gathered from **1.1.2017** to **31.12.2017**

Carbon Footprint

- UPM calculates the Carbon Footprint of its paper products based on the ten elements of the Carbon Footprint Framework for Paper and Board Products developed by CEPI (the Confederation of European Paper Industries). Detailed information on the CEPI Framework can be found at www.cepi.org.
- The data used in the calculation are based on annual averages for a paper machine line.
- GHG = greenhouse gas. UPM figures refer only to emissions of fossil CO₂.



Ten elements of the CEPI Framework (See next page for remarks and explanations)	Fossil CO ₂ (kg/tonne of paper)	Biogenic CO ₂ (kg/tonne of paper)
1. Carbon sequestration in the forest		0
2. Carbon stored in the product		1250
Net sequestration of biomass carbon		1250
3. GHG emissions from pulp and paper production	370	
4. GHG emissions associated with producing virgin or recovered fibre	20	
5. GHG emissions associated with producing other raw materials	120	
6. GHG emissions associated with purchased electricity and steam *)	340	
7. Transport-related GHG emissions (excl. delivery to customer)	90	
Total fossil CO₂ emissions	940	
8. GHG emissions attributable to product use (e.g. printing)	-	
9. GHG emissions attributable to end-of-life-management of products	-	
10. Avoided emissions	-	

*) The CO₂ factor used for purchased power is 671 g CO₂ per kWh.

Remarks and explanations to the ten elements of CEPI Framework

1. Carbon sequestration in the forest

- For UPM, forest certification and traceability of fibre supply using certified Chain of Custodies ensures the sustainable management of forests. This ensures that carbon stocks in forests remain stable or even improve over time. However in many cases it is difficult to isolate this effect attributable to a specific product and to specific forest area.

2. Carbon stored in the product

- Due to the capacity of forests to bind CO₂, biogenic carbon is stored in paper produced from wood fibre. The IPCC (International Panel on Climate Change) formula is used to determine the amount of CO₂ that is stored in the paper product. Recycling of further processed products delays this CO₂ from returning to the atmosphere.

3. GHG emissions from pulp and paper production

- UPM includes data on fossil CO₂ emissions from combustion of fossil fuels at pulp and paper manufacturing facilities, including that for external pulp production (production of purchased pulp).

4. GHG emissions associated with generating the supply of wood or recovered fibre

- For wood fibre, this includes fossil CO₂ emissions from forest management and harvesting activities.
- For recovered fibre, this includes fossil CO₂ emissions from the collection, sorting and processing of recovered fibre before it enters the recycling process.

5. GHG emissions associated with producing other raw materials

- Includes fossil CO₂ emissions generated during the manufacturing of non-wood-based raw materials (pigments or chemicals which are used in an amount above 10 kg per tonne of paper) and fuels.

6. GHG emissions associated with purchased electricity and steam

- Includes fossil CO₂ emissions associated with purchased electricity, steam and heat used for pulp and paper production, including that for external pulp production (production of purchased pulp)
- Due to differences in fuel mix used to produce electricity there are significant differences in the emission factors used to convert grid electricity to its equivalent CO₂. UPM uses country specific emission conversion factors which are based on the real power supply to UPM mills in each respective country. The factor used is given below the table on the previous page.

7. Transport-related GHG emissions

- Includes fossil CO₂ emissions associated with in- and outbound transports of raw materials and final products from the paper mill, along the value chain.
- At UPM, this figure includes the transportation of wood, pulp, recovered paper and pigments to UPM mills.
- CO₂ emissions from transportation of paper to the customer is not included since this depends on the transportation modes used and distances to specific customer locations. This part of the element can be calculated for a specific case on request.

8. GHG emissions attributable to product use (e.g. printing)

- This element is not included within UPM's scope as a paper manufacturer.

9. GHG emissions attributable to end-of-life-management of products

- This element is not included within UPM's scope as a paper manufacturer.

10. Avoided emissions (e.g. superior energy efficiency or carbon offsetting measures)

- This element is not currently included in UPM's scope.














Data Copy



Sortiment:

Office :: Multifunktion

Data Copy har hög vithet och slät yta. Data Copy täcker företagets alla krav på utskrifter med utmärkta färgutskrifter samt för svartvita utskrifter och kopiering i större upplagor.

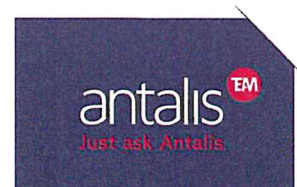
Applications / Guarantees:  ISO9001	Environment:  FSC  EMAS  ISO14001
Packaging:  Förpackning  A4 / A3	Type of Printing:  Färginkjet  Sv/v Inkjet  Färglaser  Sv/v kopiering  Färgkopiering  Sv/v Laser
Green Star System:  4 Stars	

Produktfördelar:

Obestruken premium kvalité
Multifunktionspapper
Bra vid dubbelsidiga utskrifter
Vithet CIE 170
Laser & inkjet & offset

Den 25/02/2020 - Data Copy - Uppdaterad den 25/02/2020

Ej avtalsenlig information



**Användning:**

Data Copy passar till fakturor, PM, rapporter mm. Lämpar sig väl till din externa kommunikation.

Trycktekniker:

Data Copy är anpassat för kopiering, laser och inkjet samt för tryckning i digitala pressar.

Garantier:

För att undvika problem med körbarhet är det viktigt att papperet lagras och hanteras på rätt sätt.



Something for everyday.

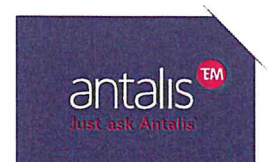
A smooth and versatile white paper, ideal for text and graphics; for use in all office equipment.

- Format A5, A4, A3
- NonStopBox and 4 holes-punched products available
- Quality paper with high whiteness and high smoothness
- FSC™ certified and awarded with EU Ecolabel
- Great results on all laser and inkjet machines

Basis weight (g/m ²)	ISO 536	75	80	90	100
Thickness (µm)	ISO 534	100	105	118	131
Whiteness CIE (%)	ISO 11475	170	170	170	170
Roughness Bendtsen (ml/min)	ISO 8791-2	170	150	190	190
Opacity (%)	ISO 2471	94,5	95	96	97
Bulk (cm ³ /g)	ISO 534	1,33	1,31	1,31	1,31



The Green Star System is a new world class of paper products for the office and home use. It is the only paper product that has been awarded the Green Star System. It is the only paper product that has been awarded the Green Star System. It is the only paper product that has been awarded the Green Star System. For more information visit www.greenstarsystem.com



Find more about Data Copy at www.antalis.com