

# Statement

## CARBON FOOTPRINT – AMBER PREPRINT

The purpose of a carbon footprint is to give information about the emissions of greenhouse gases (expressed as CO<sub>2</sub> equivalents) originating from the production, transportation and use of a specific product during its life cycle.

Paper is a product that in respect to low impact on climate change has many advantages. The main raw material for paper is wood, which is a renewable resource that uptake and binds CO<sub>2</sub> when the forests grow. Paper products also have the advantage that no energy is consumed during the usage phase. The paper can be recycled many times and at the end of its life cycle it is often used as a fuel to produce energy.

Full life cycle analyses are however complicated to do. In order to make the calculations a number of system boundaries, estimations and simplifications need to be set. The result will depend on the choices one have made and is therefore not reflecting an absolute truth.

To be able to present reliable and comparable data, Arctic Paper has chosen to report the CO<sub>2</sub> emissions from production of pulp and paper according to two well defined and recognized standards (Paper Profile<sup>1</sup> and WWF Paper Scorecard<sup>2</sup>). As an indication of the CO<sub>2</sub> emissions originating from transport of paper, data calculated with the help of NTM basic freight calculator<sup>3</sup> are given for three typical destinations. The intention of this carbon footprint declaration is not to present a full life cycle analysis for the product, but to inform about the emissions of fossil CO<sub>2</sub> originating from the production of pulp and paper as well as indicate the magnitude of CO<sub>2</sub> emissions related to transport of paper. Internally performed assessments have indicated that this somewhat simplified analysis, in general covers 80-90% of the emissions calculated by other commonly used models.

### Emissions related to pulp and paper production:

- According to Paper Profile standard: 461 kg CO<sub>2</sub>/ton paper

Or

- According to WWF Paper Scorecard standard: 463 kg CO<sub>2</sub>/ton paper

### Emissions related to transport, given as three typical destinations:

- From Kostrzyn mill to Warsaw, Poland: 18 kg CO<sub>2</sub>/ton paper

- From Kostrzyn mill to Augsburg, Germany: 27 kg CO<sub>2</sub>/ton paper

- From Kostrzyn mill to Paris, France: 44 kg CO<sub>2</sub>/ton paper

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ARCTIC PAPER KOSTRZYN S.A.

Sławomir Gralak

#### **Arctic Paper Kostrzyn S.A.**

PL-66 470 Kostrzyn n/o, Poland  
Phone +48 95 7210 600  
Fax +48 95 7524 196  
www.arcticpaper.com

#### Notes:

- 1) Does not include CO<sub>2</sub> emissions from purchased electricity. [www.paperprofile.com](http://www.paperprofile.com)
- 2) Includes CO<sub>2</sub> emissions from purchased electricity. [www.panda.org](http://www.panda.org)
- 3) The Network for Transport and Environment, [www.ntmcalc.se](http://www.ntmcalc.se)