

**Product / brand:** CyclusOffset

**Paper Mill:** Dalum Papir

**Country of origin:** Denmark

**Website:** [www.arjowigginsgraphic.com](http://www.arjowigginsgraphic.com)



## Product Data

CyclusOffset is a 100% recycled uncoated, natural white offset paper with its very own character. The paper accentuates the creative message, where touch and feel combine with - and support - the visual image.

The production of Cyclus is based on the 100% concept: Not only is Cyclus manufactured from 100% recovered paper but the 100% concept means all residuals are reused for either cement production, fertiliser or district heating. In addition, Biofuel (woodchip) is used to make steam and electrical energy, which greatly reduces CO2 emissions during production.

- Cyclus Offset is available in the following weights: 70, 80, 90, 100, 115, 140, 150, 170, 200, 250, 300 and 350 gsm

For more in-depth product information, please request the *Technical Sheet* or visit [www.arjowigginsgraphic.com](http://www.arjowigginsgraphic.com)

## Certified Management Systems

- ✓ ISO 9001 (Quality Management Standard)
- ✓ ISO 14001 (Environmental Management Standard)
- ✓ EMAS (Eco-Management Scheme)

## Product Certifications

- ✓ National Association of Paper Merchants (NAPM)
- ✓ EU Ecolabel (n°DK/011/1)
- ✓ Blue Angel

## Fibre sourcing and recycling

100% de-inked recycled fibres and PCF (Process Chlorine Free)

Cyclus 100% concept: Filler, kaolin and chalk are washed out of the waste paper using water, air and soap. These residues are used in the manufacture of cement and other materials and are transported by ship. Other removed impurities, such as plastic are used as energy sources for local district heating.

## Chemicals

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

Arjowiggins Graphic complies with new REACH (Registration, Evaluation, Authorisation and Restriction of Chemical Substances) European Community Regulation, created to improve protection of human health and the environment from the risks that can be posed by chemicals as well as the promotion of alternative test methods, free circulation of substances and enhancing competitiveness and innovation.

For more information go to [www.echa.europa.eu](http://www.echa.europa.eu)

## Packaging

We work with our suppliers to reduce the amount of packaging used (ream wrapper, shrink film, plastic banding). Today a minimum of 93% of our packaging is recyclable.

# Transport

The Arjowiggins Graphic transport policy is eco-responsible, optimising logistics and taking environmental issues into account: i.e. minimizing distances between raw material, mills and customers in Europe, encouraging eco-driving to decrease fuel consumption, shifting volumes to rail and sea transport wherever possible.

## Environmental Parameters

Arjowiggins Graphic is fully committed to environmental responsibility during the development and production of its pulp and paper\*

\* Figures based on 2010 measurements

\*\* Fossil energy

		Dalum
Water	COD	0.6 Kg/t
	AOX	0.000 Kg/t
	N	- 1.286 Kg/t
	P	- 0.010 Kg/t
Air	SO <sub>2</sub>	0.001 Kg/t
	NOx	0.855 Kg/t
	CO <sub>2</sub> **	88 Kg/t
Purchased electricity		489 kWh/t
Solid waste landfill		7 Kg/t

Note: These figures include both pulp and paper production.

## Carbon Footprint

• Carbon footprint of Dalum mill : 428 kg CO<sub>2</sub>/t of paper (PAS2050 Method)

### What is a carbon footprint in relation to Arjowiggins Graphic?

Carbon footprint is a measure of the impact human activities have on the environment in terms of the amount of greenhouse gases produced, (measured in units of carbon dioxide equivalent).

### Why is measuring your carbon footprint important?

Arjowiggins Graphic calculates its carbon footprint for two main reasons: to assist customers in estimating their own carbon footprint and to monitor the greenhouse gas emissions as a result of our production processes.

### How is the Arjowiggins Graphic carbon footprint calculated?

Carbon footprint calculations are not regulated on a global or national basis and this is why Arjowiggins Graphic have selected independent and long established companies to undertake its calculations: The CarbonNeutral Company and ECCM (Edinburgh Centre for Carbon Management) carry out emissions assessments according to the principles of WBCSD (World Business Council for Sustainable Development).

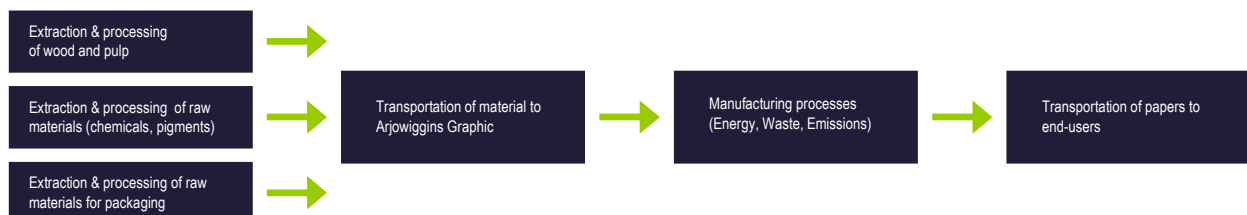
### What is the PAS2050 method of carbon footprint calculation?

This is a publicly available specification (PAS) for a consistent method of measuring, reporting and communicating the greenhouse gas emissions (carbon footprint) of goods or services across their lifecycle developed by the British Standards Institute (BSI).

### The coverage of carbon footprint calculations:

Our boundaries considered for analysis include the whole production process i.e. from the raw materials to the delivery of finished products. Always check the carbon footprint coverage before comparison to be confident that all the relevant and potential sources of CO<sub>2</sub> have been covered.

Currently Arjowiggins Graphic has chosen a plan of carbon footprint reduction, but not a plan of carbon offsetting.



For more information or questions relating to this document, please email [Gilles.Lhermitte@arjowiggins.com](mailto:Gilles.Lhermitte@arjowiggins.com)

This information is supplied in good faith and is accurate at the date of publication.

Arjowiggins Graphic reserves the right to change or update information as deemed necessary.