

**Product:** Sovereign Offset Digital - Indigo

**Category:** Small Format Digital - Uncoated Paper

**Mill:** Mondi Neusiedler

**Website:** www.mondigroup.com

**Country of Origin:** Austria

### Technical specifications:

Basis Weight	g/m <sup>2</sup>	ISO536	100 ±3.0	115 ±3.0	150 ±4.0	200 ±6.0	240 ±7.0	300 ±8.0	350 ±10.0	400 ±15.0
Caliper	µms	ISO534	115 ±3	134 ±3	170 ±5	230	272 ±7	336 ±8	387 ±10	442 ±12
Roughness Bendtsen	ml/min	ISO8791-2	130 ±50	130 ±50	130 ±50	130 ±50	130 ±50	130 ±50	130 ±50	130 ±50
Opacity	%	ISO2471	94.0	95.5	97.5	99.0	99.5	99.5	100.0	100.0
Moisture abs	%	ISO287	5.2 ±5	5.2 ±5	5.2 ±5	5.2 ±5	5.2 ±5	5.2 ±5	5.2 ±5	5.2 ±5
Brightness UV	%	ISO2470	109.0 ±1.5	109.0 ±1.5	109.0 ±1.5	109.0 ±1.5	109.0 ±1.5	109.0 ±1.5	109.0 ±1.5	109.0 ±1.5
CIE Whiteness	%	ISO11475	157±3.0	157±3.0	157±3.0	157±3.0	157±3.0	157±3.0	157±3.0	157±3.0

These characteristics are average values supplied for guidance purposes

### Certificates

FSC Certified: Mix, Made Carbon Neutral, ISO 14001 Environmental Management System, ISO 9706 Long Life, ISO 9001 Quality Certification and ISO 18001 Safety Certification, BLI performance certified

### Recommended printing tips

Allow for longer drying time. Under colour removal (UCR) is recommended, please discuss with your printer to achieve optimum results.

#### Print & Finish Suitability

<input checked="" type="radio"/> Creasing	<input checked="" type="radio"/> Foiling	<input checked="" type="radio"/> Laser
<input checked="" type="radio"/> Die-Cutting	<input checked="" type="radio"/> Folding	<input checked="" type="radio"/> Scoring
<input checked="" type="radio"/> Digital	<input type="radio"/> Inkjet	<input checked="" type="radio"/> Varnishing
<input checked="" type="radio"/> Embossing	<input checked="" type="radio"/> Film Laminating	<input checked="" type="radio"/> Screen Ruling: 150-200lpi
<input type="radio"/> Other:		

#### Applications

<input checked="" type="radio"/> Annual Reports	<input checked="" type="radio"/> Direct Mail	<input type="radio"/> Outdoor Use
<input checked="" type="radio"/> Brochures	<input checked="" type="radio"/> Folders	<input type="radio"/> Packaging
<input checked="" type="radio"/> Corporate Identity	<input type="radio"/> Invitations	<input checked="" type="radio"/> Presentation Material
<input checked="" type="radio"/> Other: Posters, letterheads, postcards		

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**Scope of life cycle assessment (LCA) conducted:** Raw material to B&D Warehouses

**LCA study completed by:** ClimatePartner [www.climatepartner.com.au](http://www.climatepartner.com.au)

**LCA study offset partner:** ClimatePartner [www.climatepartner.com.au](http://www.climatepartner.com.au)

**Standard:** Verified Carbon Standard (VCS)

**Type of carbon credit purchased:** VER's

**Australian National Carbon Offset Standard (NCOS) certified:** NO

## Technical specifications:

### LCA

The life cycle assessment delivers a thorough analysis of the greenhouse gas (GHG) emissions relating to the production of Sovereign Offset paper supplied to customers from Ball & Doggett. The assessment considers emissions produced within the agreed scope over an international supply chain and spans from seedling through to Ball & Doggett Fine Paper warehouses nationally. ClimatePartner delivers climate protection solutions to customers all over the world. ClimatePartner is certified by the technical inspection authority (TÜV) as a provider of online based CO<sub>2</sub> balancing and CO<sub>2</sub> offsetting.

### Carbon credit project analysis

Hydropower emissions reduction project

#### Key Facts

**Project location:** Santa Catarina province, Brazil

**Project type:** Renewable Energy - Hydropower:  
Certified emission reduction project

**Project standard:** Verified Carbon Standard (VCS)

**Total emission reductions:** 251,800kg  
annually of CO<sub>2</sub> equivalents

**Project start date:** 19th January, 2010

**Project partner:** ClimatePartner

**Verifier:** Bureau Veritas Certification Holding SAS

### About the project

This project is located in the province of Santa Catarina in the south of Brazil. Forming part of the Itajai Açu River, it ponds a reservoir of 0.15km<sup>2</sup> and runs two Francis turbines with capacity of 182.3MW. Negative impacts to the environment are avoided by the reservoir being placed in a beneficial topographical area, therefore only requiring a small reservoir to run the plant, in turn eliminating the need to relocate parts of the local population. Support from the local community for the implementation of the project was convincing due to the positive environmental and social effects. By replacing fossil fuels and preventing the reconstruction of fossil fuel power plants, the project annually avoids the emission of 251,800kg.

### Benefits

In addition to reducing greenhouse gas emissions, this project provides valuable benefit to both the environment and local communities. It contributes to sustainable development in the following ways:

- Additional job opportunities associated with construction and operation of power plant
- Improved local infrastructure
- Increased efficiency of electricity sector and contribution to the development of green economy by increasing share of renewable energy production



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## Environmental paper profile

### Fibre

Virgin: Brazil, Austria & Portugal.  Recycled

### Forestry Certification

FSC Mixed Sources  FSC 100% Recycled  SFI Certified  
 FSC Mixed Sources/Recycled  PEFC Certified  Mill's own procurement policy

### Recycled

Post Consumer Waste: 0%  Pre Consumer Waste: 0%  Fibre Source

### Whitening Process

Elemental Chlorine Free  Totally Chlorine Free  Process Chlorine Free

### Environmental Awards or Accreditations

ISO 14001 EMS  EMAS  Blue Angel  
 Nordic Swan  Eu Eco-label  NAPM  
 Green Seal  Eugropa  Other:

## Energy

**Carbon Neutral Manufacture:** Raw material to Ball & Doggett warehouses nationally. The Certified Hydropower Emissions Reduction project, located in Santa Catarina province, Brazil reduces CO2 equivalents by 251,800kg annually.

## Water, Air & Waste

**Air:** Air emissions are monitored & measured and approved regularly by local/national environmental regulators.

## Additional Information

Mondi Business Paper were one of the first paper mills to achieve the Forestry Stewardship Council (FSC) accreditation and are seen as a leading and progressive, fully integrated paper manufacturer. Mondi are focused on producing greener products, adopting cleaner production methods and developing innovative strategies for combating climate change. To find out more about Mondi's sustainability policy, please contact your Ball & Doggett sample department.

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