





### **Everything you need to know about sustainability**

At Mondi Uncoated Fine Paper (UFP), we take a universal approach to sustainability. We support our customers and partners in all things relating to sustainability, including Cradle to Cradle Certified®, sustainable forestry and CO<sub>2</sub> neutrality, and offer guidance to help them navigate the complexities of choosing sustainable papers.

**Further information regarding the circular economy, as well as the Cradle to Cradle Certified® Products Program is available at:** <https://qrco.de/cradletocradle>



### **Our hallmark for sustainable products**

We place great emphasis on the sustainability of our papers at Mondi UFP. We achieve this by embedding sustainability in all our actions, brands and products. Green Range is a symbol of our contribution towards a resource-efficient approach in our production.

**Looking for the right paper for your application? We can help you find the best solution for your printing project:** <https://qrco.de/sustainablepaper>





### **Generating momentum together**

Our community pursues the same goals we do, to set a new direction and find sustainable ways to save resources and protect the environment. Green Future highlights actions that contribute to a more sustainable future and inspire the community to take new initiatives.

**Our customers and partners believe in a sustainable future. Stories that speak for themselves: [https://qrco.de/know\\_how](https://qrco.de/know_how)**



### **Three concepts, one overarching goal**

We have been contributing towards the preservation of the environment for many years. The combination of Green Range, Green Insight and Green Future forms the foundation for our future-oriented actions, which are reflected in Green Spirit.

## Green Spirit

In a time when the conscientious use of resources is increasingly important, Green Spirit pursues even more avidly what we began with Green Range. Green Spirit stands for the conviction that our actions, and those of our customers, can bring about change. Our common goal is to find a way to treat our planet and its resources with care. This also includes choosing the right paper. Our approach enables a continuous and consistent circular economy (for our paper range) — we borrow resources from nature and then eventually return them back into the cycle.

Green Spirit serves as a guide, a future-oriented and positive attitude that connects us to our customers. Paper accompanies us throughout our lives, whether it's the canvas for a big creative printing project, a notebook to carry your ideas, reliable office paper, or an envelope delivering a personal message.

Each and every one of our actions matters, because when added together, they can create change. Together, we can achieve great things.

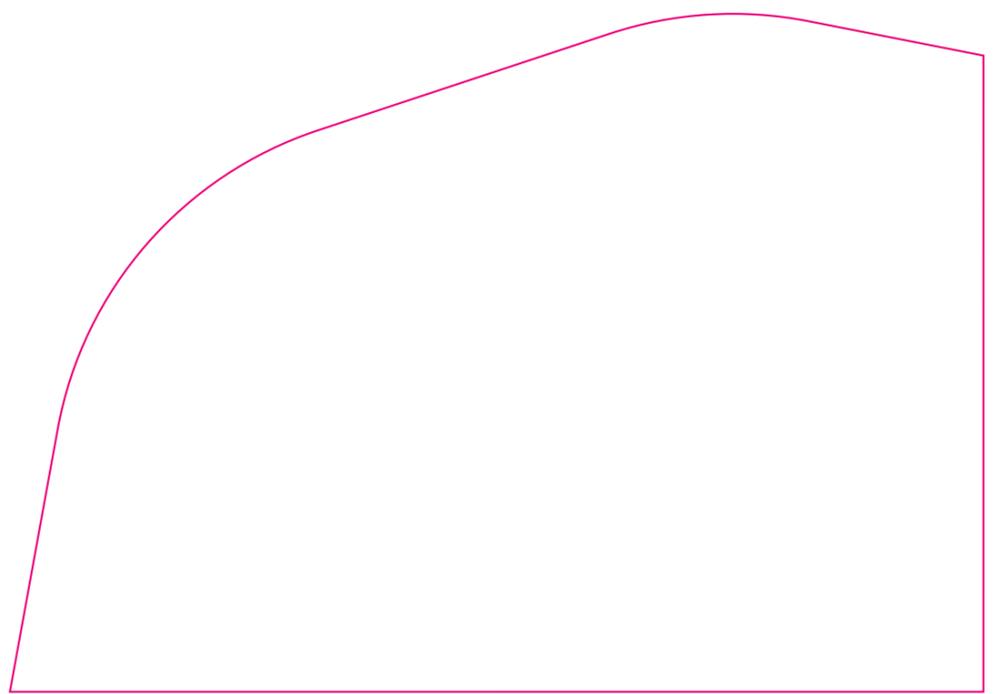
**Green Spirit – making an impact, together.**





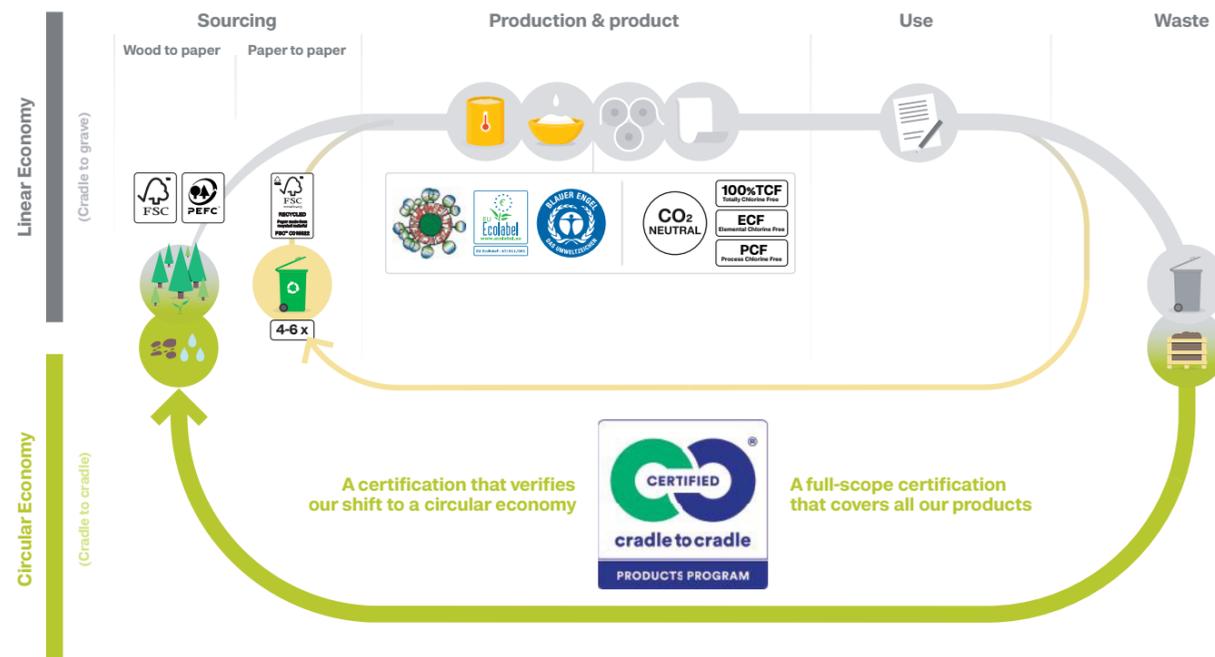
### **Understanding the value of sustainability**

This brochure is made for you.  
For anyone who has questions about the sustainability of paper and wants to learn more about the steps they themselves can take to achieve a more sustainable printed product.  
For people who, like us, have the overarching goal of moving away from a linear economy and towards thinking and acting in circular terms.



## The transition from a linear to a circular economy

Our cycle of sustainability ensures that renewable resources are treated and used with great care, whether in a 'wood to paper' or 'paper to paper' production context. However, as usual, there is a catch; paper cannot be recycled indefinitely. There comes a point when the fibres become too short, typically after four to six lifecycles. This means it is time for a paradigm shift, which is why we are going one step further. With our Cradle to Cradle® approach, we are taking the leap from a linear to a circular economy.



## 1 Sourcing

### Wood to paper

At the beginning of our sustainability cycle are FSC™ or PEFC™ certified forests, where our wood is sourced to produce fresh fibres.

### Paper to paper (Recycling)

Several important steps are necessary before we are able to produce high-quality 100% post-consumer FSC™-certified recycled paper. Used paper needs to be collected and sorted, and subsequently cleaned, de-inked and treated before the recycled fibres can be turned into paper again; for which we rely on other companies along the value chain. This is a circular economy concept that enables the most efficient use of our resources, from wood to paper and paper to paper.

## 2 Production

Our professional printing and office papers are produced using either fresh fibres from responsible forestry or 100% recycled fibres. All our products are manufactured sustainably, which is reflected in our certifications including EU Ecolabel, Austrian Ecolabel and Blue Angel. In addition, our papers are bleached without the use of chlorine. To meet all possible requirements, Mondi UFP offers TCF, ECF and PCF products. In addition, we offer an extended portfolio of CO<sub>2</sub> neutral uncoated fine papers from our Neusiedler paper mill, in cooperation with ClimatePartner.

## 3 Usage

After the paper has been used, there are several options for continuing the product's life cycle – disposal or return to the cycle. The latter helps keep resources in circulation.

### Circular economy

Our long-standing pioneering work in sustainability allows us to take the next step and shift from a linear to a circular economy thanks to the Cradle to Cradle Certified® Products Program. The goal is to return the components of our products to the biological cycle. This is possible through recycling or composting in accordance with circular economy principles. This means zero waste, as everything is returned to nature as a nutrient – from cradle to cradle.

Learn more about the concept of a circular economy in our explanatory video: <https://qrco.de/cradletocradle>



## Standards in papermaking – the differences between environmental labels

How can you ensure that the paper you buy has been sustainably sourced and manufactured responsibly? Environmental labels certify the overall sustainable practices and measures during the production of a product. All our papers are produced sustainably. Whichever paper you select for your printing project, we make it easy for you to realise your efforts to be sustainable. Choose from our broad portfolio without compromising on quality or price.

**Cradle to Cradle Certified® (C2C)** is a globally recognised measure of safer, more sustainable products made for the circular economy. This full-scope certification covers all aspects from sourcing to production, and certifies that our products are produced and used in line with circular economy principles.

**FSC™** labels are on millions of products worldwide, from egg cartons to your favourite book, so chances are you've come across one before. FSC™ is an international non-profit organisation, established in 1993, to promote responsible forest management worldwide. Products bearing this label use materials sourced from FSC™ certified forests. Forests are managed according to rigorous standards and audited by an independent third party.

**PEFC™** is an international non-profit, non-governmental organisation, founded in 1999, dedicated to promoting sustainable forest management through independent third-party certification. The PEFC™ logo is a declaration that the wood fibres in paper products come from PEFC™ certified sustainably managed forests.

**EU Ecolabel** is a label of environmental excellence recognised across Europe and worldwide, that is awarded to products and services meeting high environmental standards throughout their life cycle: from raw material extraction, to production, distribution and disposal.

**Austrian Ecolabel** provides information on the environmental impact of the production, usage and disposal of consumer goods. It offers orientation to consumers and green standards to producers.

**Blue Angel** is the world's first ecolabel, made in Germany, setting high standards for environmentally friendly product design since 1978. It is seen as a gold standard, and serves as a reliable guide for more sustainable consumption.

Below is an overview of the various environmental labels, their criteria and their scope.

	C2C Certified®	Blue Angel	FSC™	PEFC™	EU Ecolabel	Austrian Ecolabel
<b>Circular approach (Cradle to Cradle)</b>	●	X	X	X	X	X
<b>Fibre sourcing</b>	●	● For recovered paper	● ≥ 70% of FSC™ certified or recycled fibre and other controlled substances	● ≥ 70% of PEFC™ certified or recycled fibre and other controlled substances	● ≥ 70% of FSC™ or PEFC™ certified or recycled fibre and other controlled substances	● ≥ 70% of FSC™ or PEFC™ certified or recycled fibre and other controlled substances
<b>Responsible use of harmful materials</b>	●	● Restrictions for certain chemicals and harmful substances	X	X	● Restrictions for certain chemicals and harmful substances	● Restrictions for certain chemicals and harmful substances
<b>Water consumption/ Emissions to water</b>	●	●	X	X	●	●
<b>Energy consumption during production</b>	●	●	X	X	●	●
<b>Social responsibility</b>	●	X	●	●	X	X

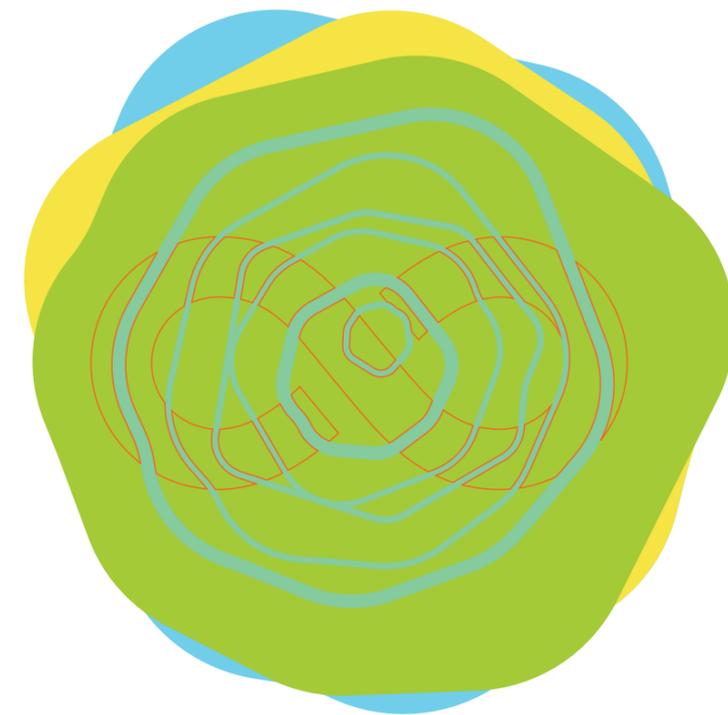
Source: This table represents the view of Mondi experts (Status: Dec. 2021)

● yes ● partly X not in scope

## From Cradle to Cradle – Thinking and acting in cycles

As a global standard, the Cradle to Cradle Certified® Products Program is the most advanced standard for safe, circular and responsible materials and products. It makes it easy for you to select and purchase products that contribute to a circular economy and promote sustainable values. The Cradle to Cradle® Products Innovation Institute is dedicated to powering a circular economy through products that have a positive impact on people and the planet. Having products that are Cradle to Cradle Certified® signifies our commitment to sustainable practices by borrowing resources from nature and returning them in the form of nutrients.

**Our broad range of uncoated fine papers from our mills in Austria, Slovakia and Russia is Cradle to Cradle Certified® at the Bronze level. Office papers, professional printing papers, luxury packaging, technical and converting papers and recycled papers – all Mondi papers are Cradle to Cradle Certified® Bronze.**



The Cradle to Cradle Certified® product standard rates materials and products in five categories according to safety, circularity and responsibility. Our performance levels are as follows:

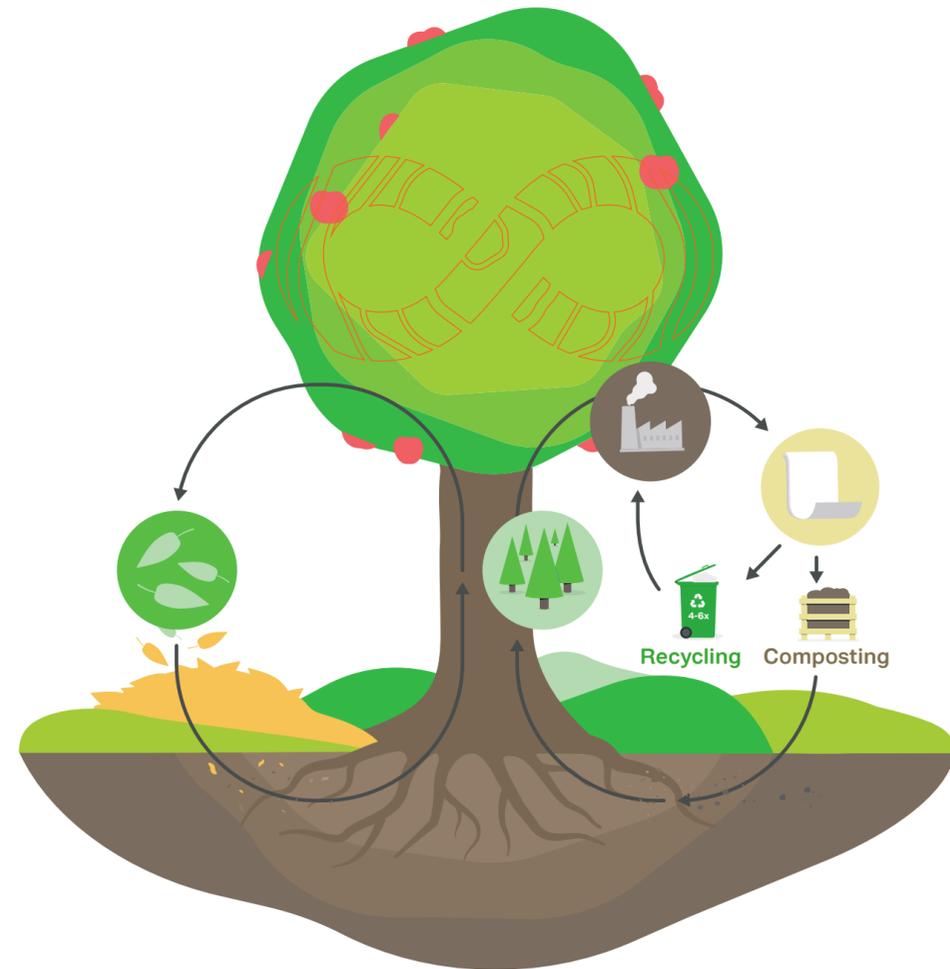
1. Material health **Bronze**
2. Product circularity **Gold**
3. Clean air & climate protection **Bronze**
4. Water & soil stewardship **Bronze**
5. Social fairness **Gold**



### Cradle to Cradle – Following the cycle of nature

Trees are a crucial component of the paper production process – but they are also a prime example of the Cradle to Cradle® concept at its core. A fruit tree may have many blossoms, but only some of these will turn into fruits. Some of the tree's blossoms, leaves and fruits fall down. Luckily, those do not go to waste, instead they become nutrients for the tree and other life within its ecosystem.

Our papermaking process takes inspiration from nature and keeps the limited natural resources flowing in cycles. We use either fresh fibres from responsible forest management systems or 100% post-consumer recycled materials for the production of our papers.



Biological Cycle



**“It doesn't get any greener than that!”  
The success story of printing company gugler\***

In 2011, gugler\* became the first printer in the world to offer Cradle to Cradle Certified® print products, and is currently the only printer in Europe to have achieved the highest certification standard level of Gold.

”

Cradle to Cradle Certified® Products Program is the highest standard for eco-printing currently on the market.

”

More and more customers are questioning not only the production of products, but also the ecological behaviour of the company behind those products: this is the success factor of the future.

”

In the circular economy, you have to start thinking about what should happen to materials after their service life before you even start production.

With the Cradle to Cradle Certified® product standard, gugler\* has found an innovative solution for assessing and optimising the material health of the entire value chain through scientifically-proven methods – a solution to make printing 100% recyclable and waste-free.

Mondi conducted an interview with gugler\* to learn more about the Cradle to Cradle Certified® Products Program, the advantages for the company and, above all, the benefits for the customer.

The full interview can be found here:  
<https://qrco.de/gugler>



### Step by step towards CO<sub>2</sub> neutrality

Every part of the value chain in the paper and print industry can contribute to reducing greenhouse gas emissions. Together we can take strong climate action to prevent the worst impacts of climate change and meet growing customer demands for CO<sub>2</sub> neutral products.

At Mondi, we offer a variety of CO<sub>2</sub> neutral uncoated fine papers. To achieve CO<sub>2</sub> neutrality, we first measure the Product Carbon Footprint, and then reduce emissions across our operations. As of 2020, at Mondi Group we have already significantly reduced our CO<sub>2</sub>e emissions per tonne of saleable production by 23.6% since 2014. We are committed to further reducing these emissions as part of our ambitious Mondi Action Plan 2030 (MAP 2030), based on our science-based targets.

Finally, we offset unavoidable and remaining emissions through a Verified Carbon Standard project in Brazil: the Pesqueiro hydropower plant. This is done in partnership with ClimatePartner. Our combined approach of avoiding, reducing and offsetting CO<sub>2</sub> emissions in the production of our uncoated fine papers is an important contribution to addressing climate change.

Mondi is a pioneer in this field and has been offering CO<sub>2</sub> neutral uncoated fine papers since 2010. We started with Color Copy original, the first CO<sub>2</sub> neutral paper for digital colour printing. As of 2021, we are proud to offer our entire PERGRAPHICA® range as CO<sub>2</sub> neutral as well. PERGRAPHICA® is our premium paper brand for creative design, publishing and luxury packaging applications. In addition to this, we offer a wide range of papers for professional print, office use and premium packaging from our Mondi Neusiedler mill optionally as CO<sub>2</sub> neutral.

**Definition:**

A greenhouse gas (GHG) is any gas in the atmosphere which absorbs and re-emits heat, thereby keeping the planet's atmosphere warmer than it would otherwise be. Carbon dioxide equivalent (CO<sub>2</sub>e) is a term used to describe different greenhouse gases in a common unit. When we speak of CO<sub>2</sub> neutral paper we refer to all greenhouse gas (CO<sub>2</sub>e) emissions.

Explore our CO<sub>2</sub> neutral optional uncoated fine papers through our Paper Finder, and find the sustainable paper that is right for you:  
<https://qrco.de/co2optional>





## Production sites driven by sustainability

To achieve climate neutrality, Mondi is focused on reducing emissions throughout the entire "Cradle to Customer" product life cycle. As a result, our three paper mills (Mondi Neusiedler, Mondi Syktyvkar, Mondi SCP) implement innovative and sustainable papermaking processes.

### Mondi Neusiedler

With a history in papermaking of almost 230 years, Mondi Neusiedler is known today as a paper mill for special quality papers. The company continually invests in modernising its operations and is working towards reducing its energy consumption. In addition, resources are used efficiently. For instance, excess heat from our steam turbine is used to provide heating for the local hospital and residential buildings in the area.

Mondi Neusiedler is the first manufacturer to offer totally chlorine-free (TCF) copy paper (1989) and colour laser and office paper made from FSC™-certified wood. Additionally, Mondi Neusiedler is a pioneer in carbon neutral colour laser paper. Today, almost the entire product range is available as CO<sub>2</sub> neutral.

Another pioneering achievement of this mill is its patented TRIOTEC® technology, a three-layer process that enables the use of sustainable raw materials, such as recycled fibres, that meet the highest quality requirements.

### Mondi SCP

In 2021, Mondi SCP strove to further reduce its carbon footprint by concluding an extensive investment in a new paper machine and fibre line modernisation worth €370 million. An important aspect of this project was the improvement of the wastewater treatment plant. It produces biogas as a by-product, which is used in the mill's boilers, thus reducing the consumption of fossil fuels.

Waste prevention, the circular use of materials and reducing internal greenhouse gas emissions, in line with science-based targets are a key focus of the Mondi Action Plan 2030 (MAP2030).

### Mondi Syktyvkar

In 2020, Mondi Syktyvkar successfully completed a €135 million modernisation of its power plant. The investment included a new bark boiler, a new steam turbine and an upgrade of the power distribution network, resulting in improved environmental performance.

This project supports Mondi's aim to complete the transition to a low-carbon economy and reduces the mill's carbon footprint by more than 200,000 tonnes per year, which corresponds to a CO<sub>2</sub> reduction of 4% for the entire Mondi Group.

- Color Copy original** extra-long digital format 300g/m<sup>2</sup>  
Printed on: Kodak Nexpress SX 3300  
Colour profile: ISO Coated v2
  - PERGRAPHICA® High White Smooth** 240g/m<sup>2</sup>  
Printed on: Heidelberg SM52 Anicolor  
Colour profile: PERGRAPHICA® High White Smooth ICC Profile  
Laser cutter and engraver: SEI CO<sub>2</sub> Galvo Lasermachine
  - PERGRAPHICA® Classic Rough** 200g/m<sup>2</sup>  
Printed on: Heidelberg SM52 Anicolor  
Colour profile: PERGRAPHICA® Classic Rough ICC Profile
  - NAUTILUS® Classic** 250g/m<sup>2</sup>  
Printed on: Heidelberg SM52 Anicolor  
Colour profile: PSO uncoated v3 (FOGRA 52)
- PERGRAPHICA® colour profiles are available to download from [pergraphica.com](https://www.pergraphica.com)

The paper and printing process are CO<sub>2</sub> neutral. **The papers are Cradle to Cradle Certified® at the Bronze level.**

Cradle to Cradle Certified® is a registered trademark of the Cradle to Cradle Products Innovation Institute.

Errors and omissions excepted.  
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