

Pulp and paper

# Omya's Sustainable Solutions for Paper & Board

Enhancing sustainability



THINKING OF TOMORROW





# Welcome to Omya

Omya is a leading global producer of essential minerals, and a worldwide distributor of specialty materials.

For 140 years, we have had a positive influence on people's lives, developing solutions to everyday challenges that are practical, efficient and sustainable.





## Making life better

Our company purpose, “Making life better through our passion for minerals and chemistry” unites our 9,000 employees around the world. From the scientists in our innovation labs to the engineers overseeing our production plants and the teams working with customers day in day out, we are always Thinking of Tomorrow and how we can improve life for current and future generations.

This often means finding ways of helping our customers become more sustainable, by reducing their carbon footprint, optimizing their use of resources, minimizing waste, improving circularity or protecting the environment.

## Sustainability is key

As a global business, operating in more than 50 countries, we recognize the substantial impact of our operations on the diverse communities and economies in which we operate, and on the environment.

Omya is committed to balancing economic success with environmental stewardship and social equity, and helping our customers meet their own sustainability goals through the use of our natural mineral solutions.

This guide outlining Omya’s contributions to sustainability in the pulp and paper industries is an example of our commitment.



# How many ways can you make your paper and board grades more sustainable?

## **Sustainable together**

Omya works closely with customers, industry and academia to design and produce sustainable pigment solutions.

## **A helpful guide**

Our solutions help your paper and board grades respond to the full range of market, sustainability and regulatory needs. Our worldwide team of technical experts support you in selecting, formulating and implementing sustainable solutions for fiber-based products.

**The United Nations Sustainable Development Goals (SDGs or Global Goals)** were adopted in 2015 as a universal call to action to ensure that by 2030 all people enjoy peace and prosperity.

**Eco-design for Sustainable Products Regulations (ESPR)** is a package of measures which will contribute to helping the EU reach its environmental and climate goals, doubling its circularity rate of material use, and achieving its energy efficiency targets by 2030.

**The product carbon footprint (PCF)** is a globally recognized measure to describe the green house gas (GHG) emissions by a product.

# Five ways Omya supports sustainable paper and board grades

Enhancing sustainability goes beyond lowering carbon footprint. Since 1884, Omya has supported customers in understanding and meeting the needs of their markets, which are now more and more attentive towards sustainable requirements.

From decarbonization to dehazardization, circularity to regulatory compliance, and much more, we can help you make your paper and board grades more sustainable.



# Your complete sustainability partner

Today's challenging environment demands more than individual products – it requires integrated solutions. Omya's sustainable solutions for paper and board delivers this by combining our innovative sustainable product portfolio with comprehensive

technical expertise and support. This powerful combination of products and knowledge ensures your success in developing high-performance, fiber-based products.

## Product portfolio

### Omya Aqurate

Is a modular system of specific coating pigments, offers packaging board manufacturers an equivalent substitution for white fiber without compromising the final board quality. It opens up new ways to accelerate lightweighting concepts, flexibility, and coatings tailored to specific demands in printing and converting.



### Omya Primefill

This high-brightness, high-opacity filler allows board producers to achieve exceptional opacity, opening opportunities to reduce the thickness of the white top ply in kraft liners, folding box board (FBB), and solid bleached sulfate (SBS) grades.



### Omyaboard

Those mineral filler products enhance linerboard machine output while preserving the strength and mechanical properties of the grades. Designed for optimal dewatering performance, results in either increase machine speed or reduce energy consumption reducing carbon emissions.



### Functional coating

Omya barrier solutions as Extomine, EarthGuard or EarthWrap are viable options for fiber based (food) packaging qualities to replace today's non-sustainable standard grades meeting the industries regulatory requirements and supporting the recyclability approach of packaging grades.



### Omya Atmire

By investigating side-streams of the paper and board industry as lime-mud from the pulp and PCC production, deinking sludge from deinking processes or fly-ash from incineration as feed for the processing of new pigment, Omya offers state-of-the-art technology to elevate circularity in the industry to the next level.



### Omyaprime

This pigment family is specifically designed for premium graphical paper applications, helping to reduce the carbon footprint of your graphical paper grades. By replacing less eco-friendly minerals, Omyaprime contributes to a more sustainable production process.



## Technical support

To meet the expectations of brand owners, marketers, and ultimately consumers, paper and board producers must offer a range of options. From high performance to affordability, modern producers are expected to deliver quality while minimizing their environmental impact.

Omya's global technical expertise will support you in meeting your goals. This includes our advanced laboratories and access to pilot facilities to design and test your future products on an industrial scale.

# Guiding principles for sustainability

At Omya, sustainability is embedded in every decision we make. Our Sustainability and regulatory services are built on three core principles:

## **Customer-centric approach**

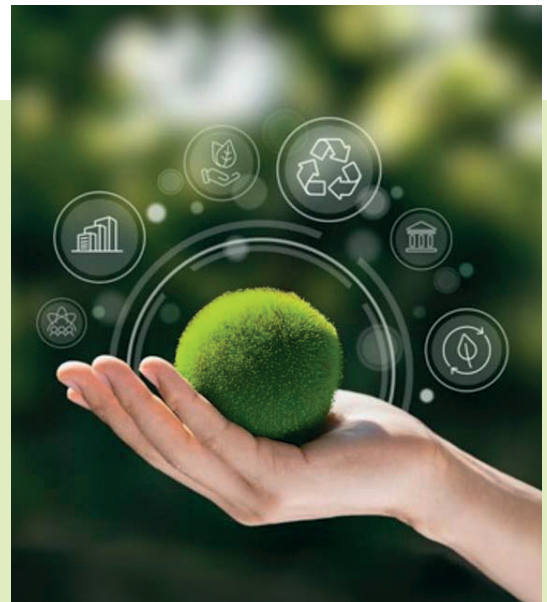
We tailor our regulatory support to meet the specific needs of each market and application, ensuring our customers stay compliant and competitive.

## **Global expertise, local focus**

With a centralized regulatory hub in Switzerland and regional teams worldwide, we combine global oversight with local insight to address evolving environmental standards.

## **Proactive industry engagement**

We actively participate in expert networks and regulatory forums to anticipate changes and help shape sustainable industry practices.



# Results that support your business

## **Certified for safety and compliance**

Where required, our products are capable of meeting stringent global standards, including BfR (Germany), FDA (USA), GB (China), and may be certified for Nordic Swan, Halal, Kosher, and Infant Formula applications.

## **Regulatory foresight**

We continuously monitor and adapt to regulatory changes, helping customers stay ahead of compliance challenges and sustainability goals.

## **Comprehensive documentation and assurance**

Demonstrated expertise supporting customer compliance and audit requirements.



Omya is committed to meeting customer and market needs. If a specific compliance requirement is not initially met, a thorough review is conducted to assess the situation, with the goal of addressing and meeting any missing regulatory standards.

# Five ways Omya supports sustainable paper and board grades

At Omya we offer product solutions and technical expertise for future-oriented sustainable fiber-based products.

All our product offerings reflect our worldwide expertise and are designed to help you stay ahead of regulations.

Omya supports your sustainability goals not only through cost and carbon footprint reduction, but also through circularity, dehazardization, regulatory compliance, and formulation intelligence.

Let our worldwide team of technical experts support you in developing the next generation of sustainable fiber-based products. Through our network of laboratories and dedicated regional hubs, we provide comprehensive support from initial analysis to final implementation.



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