

Fact sheet Sustainability

March 2017

AkzoNobel 

Our sustainability agenda was brought into even sharper focus in 2016 as we stepped up our activities in all areas. We firmly believe sustainability is business, and business is sustainability, and are continuing to identify areas of opportunity.

Ton Büchner

CEO and Chairman of the Board of Management and Executive Committee

Our aim is to be carbon neutral and use **100% renewable energy by 2050**

- 1 Sourcing **100% renewable energy** for our own operations
- 2 Eliminating **carbon emissions** in our own operations
- 3 Helping our value chain become **net positive in emissions**

We are charting a scientific path towards...

0% carbon in our use of energy
waste in our use of materials
harm from our products

...while delivering a positive social impact.

Innovation is at the heart of our activities. By helping our customers to avoid emissions, we aim to achieve the goal of net positive. Our strategy is targeted at the total value chain.

Key rankings

#1 in the Dow Jones Sustainability World Index for four consecutive years. In the top 10 ranking for 11 consecutive years.

An A rating in the Carbon Disclosure Project (CDP). CDP is the only global disclosure system for companies to manage their environmental impact.

98% leading score by Sustainalytics. It is the leading independent global provider of environmental, social and governance research and ratings to investors.

... and we contribute to **initiatives** such as:

- UN SDGs** United Nations global sustainable development goals
- WBCSD** World Business Council for Sustainable Development
- GAELP** Global Alliance to Eliminate Lead in Paint
- BICEPS** Boosting Initiative for Collaborative Emission reduction by Power of demand of Shippers
- DSGC** Dutch Sustainable Growth Coalition

In 2016

- >50%** of our products provided sustainability benefits
 - 40%** proportion of renewable energy used in our own operations
 - €2.9 billion** revenue from eco-premium products and services
 - 49%** of AkzoNobel sites improved their energy footprint
 - 10%** decrease in waste per ton of production
- We opened our **carbon neutral** AkzoNobel head office in the Netherlands

Essential partnership examples 2016

- 1 AkzoNobel, Google, Philips and DSM agreed to **source power from a new wind park** in the Netherlands. Together, the organizations will source a total of 350 million kWh a year from the Krammer wind park once it becomes operational in 2019.
- 2 AkzoNobel officially **inaugurated the supply of bio-steam** to Chemie Park Delfzijl. By switching from gas to sustainably generated steam, AkzoNobel has increased the share of renewables in its Dutch energy use by 10%. This constitutes a CO₂ reduction of around 100,000 tons per year.
- 3 AkzoNobel, Avantium, RWE, Staatsbosbeheer and Chemport Europe **are developing a bio-refinery** within the Chemie Park Delfzijl, the Netherlands.
- 4 A **consortium led by AkzoNobel** consisting of Van Ganswinkel, Air Liquide, AVR, Enkerm and Havenbedrijf Rotterdam is investigating the possible launch of a waste-to-chemicals factory in the Netherlands.
- 5 Team AkzoNobel's involvement in the **2017-2018 Volvo Ocean Race** is strongly linked to our long-standing commitment to sustainability. For example, it is an ideal opportunity to accelerate our ongoing efforts to make the global shipping industry more sustainable by providing innovative products that help reduce both fuel consumption and emissions and lower costs for customers.

Sustainable innovations



Dulux Weathershield Keep Cool

An exterior wall paint featuring technology which reflects infra-red heat, resulting in:

- Cooler temperatures by up to 5°C
- Residents using less air conditioning and less energy
- Independently verified savings of up to 15%
- Lower carbon footprint



Interpon ReFlex

Lighting manufacturers have made continuous demands for powder coatings that absorb less light, allowing their fittings to be brighter. Our Interpon ReFlex range helps to boost the effective output of commercial lighting:

- Uses less energy, to get the same level of illumination
- Much lower environmental impact than other high-reflectance materials
- Easy application and use
- Excellent impact resistance and flexibility
- Good corrosion and UV resistance



Rediset

An additive for asphalt which makes roads more resilient by increasing moisture resistance:

- Ensures that asphalt surfaces last longer
- Reduction in the frequency of repaving
- It allows asphalt to be mixed and compacted at lower temperatures
- Reduces energy costs
- Creates fewer emissions for workers laying the road



Aerodur

KLM's Boeing 787-9 Dreamliners use our Aerodur coatings to keep them looking great while adding minimal weight to the aircraft. The product helps to improve fuel efficiency and reduce emissions without compromising on quality. Compared with its predecessor, the KLM Dreamliner now has:

- 20% more passengers
- 23% more cargo
- An environmental performance which on average is 20% better



Intersleek coatings

Our Intersleek coatings reduce ships' fuel consumption and emissions. As well as the cost savings this brings, customers can also receive a credit that can be sold to generate revenue and verify their sustainability progress.



The scheme is an industry-first and shows the innovative ways we're both marketing our products and encouraging sustainability. It rewards ship owners who convert existing vessels to a premium, biocide-free hull coating such as Intersleek.

Based on the figures so far:

- Over 4,500 vessels are currently using Intersleek
- Total annual reductions in carbon emissions of around 17 million tons of CO₂
- That represents around 1.5% of the global emissions from shipping, as estimated by the third IMO Greenhouse Gas Study



Wood Charm Woodcare

A water-based indoor woodcare paint with significantly lower VOCs than solvent-based equivalents (in China). It has improved flexibility and a balanced performance in chemical resistance and hardness. It also contains Polyurethane Modified Acrylate (PUMA) latex technology, which is helping to drive conversion from solvent-based to water-based paints



Dulux Forest Breath

An interior wall paint with an anti-formaldehyde formulation and active bamboo ingredient. These special properties mean it can effectively capture and purify harmful air pollutants such as formaldehyde and benzene to keep indoor air fresh. It also contains natural tea tree oil extracts which can kill germs and bacteria to create a healthy home environment:

- Low VOC
- Mould resistant
- Anti-bacteria