

Long Products Europe  
WireSolutions



ArcelorMittal

Our commitment  
to sustainability





ArcelorMittal

"Our ambition is to significantly reduce our carbon footprint"

## Sustainability

Arcelormittal is the world's leading steel and mining company. We operate in 60 countries and employ approximately 260,000 people worldwide. Centred around our number one priority of health and safety, we are guided by three distinct values: sustainability, quality and leadership.

**Sustainability**, because we are guiding the evolution of steel to secure the best future for the industry and for generations to come.

**Quality**, because we want the steel we produce to be at the cutting edge of technology and because we need the best people to deliver on our goals.

**Leadership**, because we are proud of our entrepreneurial spirit and the opportunities that visionary thinking can bring to the company.

### Our aim

We understand the enormity of the climate challenge for society and the responsibility of ArcelorMittal as an emitter of CO2 to reduce our carbon footprint.

Our ambition is to significantly reduce our CO2 emissions by 2050 and, in Europe, to achieve carbon neutrality by this date, in line with the objectives of the Paris Agreement and the science-based trajectory for our sector.

Carbon neutral in Europe by 2050

### Recycling

Steel is an infinitely recyclable product – and as a result is one of the most recycled products in the world.

**ArcelorMittal is the biggest recycler of scrap steel in the world.** Every year more than 25 million tonnes of our products are recovered and recycled, which saves around 36 million tonnes of carbon dioxide (CO2 ) being made through new steel production.

Recycling steel is vitally important, preventing waste and reducing consumption of fresh raw materials.



### Circular economy



ArcelorMittal is a major actor in the circular economy, promoting greater resource productivity, aiming to reduce waste and avoid pollution.

Circular economy aims to reduce waste systematically throughout the different life cycles of a product by **Reduce, Reuse, Remanufacture** and **Recycling** principles.

Steel is a permanent material; never consumed, but continuously transformed. The use of natural resources for producing steel for the first time is therefore a transformative process, making iron available in a more "practical form" for subsequent uses (life cycles) and reducing the need to consume more natural resources.

## Low emissions manufacturing

As the world continues to develop and demand for steel and materials generally is only expected to further increase, using scrap for steel production is not a sufficient answer as there is not enough scrap available in the world to simply make all steel through the electric arc furnace process.

This means we need to significantly reduce the carbon footprint of steel, which requires finding new ways to make crude steel in a less emissions-intensive process.

The steel industry will have to transition to one or more low emissions technology pathways. They include transitioning to new energy inputs in the form of a) clean power, b) circular carbon and c) fossil fuels with carbon capture and storage;



- a) **Clean power** used as an energy source
- b) **Circular carbon** energy sources including bio-based and plastic wastes
- c) **Fossil fuels with carbon capture and storage (CCS)** enabling the continued use of the existing iron and steelmaking processes while transforming them to a low-emissions pathway.

ArcelorMittal is working on breakthrough low-emissions steelmaking technologies for several potential pathways with pilots running of these different technologies at various plants in Europe. **We call the project: XCarb™**

## WireSolutions commitment

We recognise the importance of sustainable development and we continually aim to improve the environmental effect of our activities.

To help achieve our aims we:

- ▶ Ensure we are working to the ISO14001 Environmental Management standard
- ▶ Educate our employees to carry out their activities in an environmentally responsible manner
- ▶ Promote waste minimisation and recycling
- ▶ Encourage the efficient use of resources, energy and fuel throughout our manufacturing, distribution and sales processes
- ▶ Maximise use of raw materials from a recycled steel route
- ▶ Minimise the amount of packaging we use
- ▶ Increase the use of packaging materials that are from a recycled source/are recyclable

**100% of our industrial wire products are manufactured from a recycled process route.** Manufactured using long life technology and based on international production standards ISO 9001, ISO 14001 and ISO 45001, our wires offer superior corrosion resistance and increased product life cycle.

Our Crapal®Optimum and Crapal®Premium products offer a life span 5 times, and 8 times longer than traditional zinc only coated products to EN10244-2 Class A, guaranteeing excellent product longevity and benefits in harmony with the environment.

Suitable for the most extreme of environments, the longevity of our products are proven by independent salt spray testing under laboratory conditions.

In Bohus Malmön (North of Gothenburg, Sweden), Crapal®Premium has been under empiric testing for the past 10 years and counting and is still going strong.

Over the life cycle of the product, increased life span results in:

- ▶ Less raw material usage
- ▶ Less transport emissions
- ▶ Less manufacturing emissions

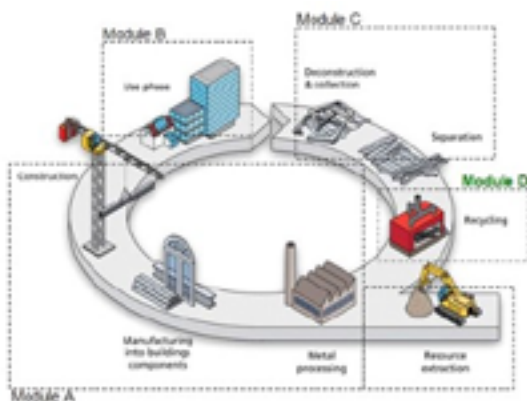
**All our Crapal® wire products are reusable and recyclable.**

# Environmental Product Declaration (EPD)

An EPD is a verified and registered document that communicates transparent and comparable data about the life cycle environmental impact of products. It is usually developed by the manufacturer and peer reviewed by independent bodies on the basis of ISO 14025 and EN 15804 standards, and published by an official environmental labelling organisation.

An EPD provides suitable and objective data that can be used to satisfy environmental requirements in public procurement processes:

- Independently **verified** and **registered** documents : **transparent** and **comparable** information based on a life cycle analysis -> environmental impact of products (EN 15804 and ISO 14025 )
- Declared unit: **1t (metric tonnes)**
- Cradle-to-gate - with options **A1 - A3 - C3 & D.**
- The EPD is available for industrial wire qualities Crapal4, CrapalOptimum and Crapalpremium with an end of life scenario: 88% recycling, 11% reuse, 1% landfill, 99% recycling at the end of life.



You can find out more on ArcelorMittal's commitment to sustainability and download our Climate Action Report by visiting our website: <https://corporate.arcelormittal.com/sustainability>.

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