

First Circular Economy Data Standardization For Steel & Mining Products Released By ArcelorMittal

The leading steel and mining company ArcelorMittal today released the first Circular Economy standardized fingerprint for products in the steel and mining industry, using the Product Circularity Data Sheet (PCDS) developed by the Ministry of Economy of Luxembourg and +ImpaKT.

The PCDS was co-developed with ArcelorMittal and more than 50 other manufacturing and data platforms internationally and represents the first standardized dataset to describe the circular characteristics of products. It aims to simplify the currently complex task of gathering and sharing circularity data among all stakeholders across industry supply networks.

The PCDS is designed to feed into the new generation of digital product passports (DPP) scheduled to be enacted by the European Union and other countries around the world, which companies will soon have to adopt.

ArcelorMittal chose its best-selling [iQ+ System®](#) range to pilot the PCDS. For the first time, users of steel sandwich products have a clear and easy-to-use dataset showing circular attributes like design for disassembly, recyclability, recycled content, and design for circular use.

The PCDS follows on ArcelorMittal's industry-leading steel sheet piles leasing program, pioneered in Luxembourg, which guarantees extended re-use and traceability of steel piles used for earthworks and other construction. The steel pile leasing is one of Luxembourg's best examples of the circular economy in action.

To see a copy of the ArcelorMittal PCDS see <https://corporate.construction.arcelormittal.com/en/generic/c5-green-commitment> ; [PCDS_v3.2_ArcelorMittal_Promisol_iQ.pdf](#). For more information on the PCDS see www.PCDS.lu.

About the PCDS initiative

The Product Circularity Data Sheet (PCDS) aims to save costs across the supply chain by improving circular economy data-sharing efficiencies, while protecting the integrity of data in an open format available to all platforms without proprietary fee-based software. Development started in 2018 when the Ministry of the Economy of Luxembourg asked the consultancy [+ImpaKT](#) to create and pilot a practical tool, in cooperation with Luxembourg's ISO-accredited agency ILNAS and multinational manufacturing companies & platforms. The ultimate objective is an official standardized format that aligns with ISO, CEN or other standards, and the interim objective is a de facto industry standard. Learn more about the PCDS: <https://pcds.lu/>

About +ImpaKT

[+ImpaKT](#) is recognized as the leading expert in circular economy in Luxembourg and contributed to key national strategic projects. The company was mandated by the Ministry of the Economy of Luxembourg to develop an international standardized mechanism to enable an efficient and secure exchange of product circularity information along the value chain. Between 2018 and 2020, +ImpaKT developed and tested a proof of concept of the Product Circularity Data Sheet (PCDS) with a group of more than 50 international organizations. Learn more about +ImpaKT: <http://positiveimpakt.eu/en/pcds/>

About ArcelorMittal

ArcelorMittal S.A. is a multinational steel manufacturing corporation headquartered in Luxembourg. It is the world's leading steel company with more than 168,000 employees and steel manufacturing plants in 17 countries, regularly in the top 3 in the metals and mining category of FORTUNE magazine's 'Global Most Admired Survey'. In 2020, ArcelorMittal made more than 71 million tons of steel and mined more than 58 million tons of iron ore.

ArcelorMittal's goal is to help build a better world with smarter steels. Steels made using innovative processes which are more efficient, use less energy, and emit significantly less carbon. Steels that are cleaner, stronger and reusable. Steels for electric vehicles and renewable energy infrastructure that will support societies as they transform through this century. Find out more: <https://corporate.arcelormittal.com/>

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