

news release

ArcelorMittal presents latest steel innovations for construction and mining equipment at Bauma 2016

13 April 2016 - ArcelorMittal is presenting some of its latest innovations in sheet piling, steel wire and ultra-high strength and wear-resistant steels at Bauma 2016, the world's largest trade fair for construction and mining equipment which takes place in Munich on 11 – 17 April 2016.

ArcelorMittal's innovative sheet piling solutions on display at Bauma for the first time

To heighten awareness of the multiple advantages of steel sheet pile solutions over other alternatives, such as concrete, ArcelorMittal Sheet Piling, the world's leading manufacturer of sheet piles, is on hand at Bauma 2016 to introduce its latest solutions to a wider audience.

Notably, ArcelorMittal announces the launch of its new AS500[®] x 13.0 straight web sheet pile. Straight web sheet piles are used to form cylindrical structures in large-scale construction projects, generally closed and filled with soil. The weight of this internal soil mass guarantees the stability of the construction. ArcelorMittal's AS500[®] x 13.0 is the heaviest straight web section on the market today, with a unique interlocking strength of 6000kN/m per default and high resistance to corrosion due to its increased thickness.

The group is also presenting its new AZ[®] - XL range at Bauma 2016, a wider, lighter generation of sheet piles launched in 2015 in response to a steady increase in demand for greater sheet pile widths. **The AZ[®] range comes in widths of up to 800 mm, simplifying and speeding up the installation process.** The sheet piles can be installed using standard pile driving equipment, leading to greater cost-efficiency.

ArcelorMittal's sheet piles are used worldwide for the construction of quay walls and harbours, locks and breakwaters, for bank reinforcement on rivers and canals, as well as bridge abutments, underground car parks and other foundation structures in different soil conditions.

"Our clients need to build reliable structures as rapidly and cost-effectively as possible. ArcelorMittal's

sheet piles are characterised by excellent section modulus to weight ratios and high moments of inertia, meaning they fulfil every one of these requirements,” says Amit Sengupta, Chief Marketing Officer at ArcelorMittal Europe – Long Products.

Introducing Armstrong® Ultra and Relia®, ArcelorMittal’s new range of ultra-high strength and wear-resistant steels

ArcelorMittal also announces the launch of Armstrong® Ultra and Relia®, an extensive range of ultra-high strength and wear-resistant steels designed to optimise weight and reduce the operational costs of mechanical equipment.

Armstrong® Ultra is a new range of high strength steels manufactured in widths of up to 3800 mm and with a minimum yield strength ranging from 650 to 1100 MPa, combining excellent formability with toughness at low temperatures and fatigue resistance. Used for structural parts in transport, yellow and green goods, and many other industry segments, Armstrong® Ultra grades enable manufacturers to reduce steel thickness and weight, thus improving payload and reducing fuel consumption in mobile equipment.

“Armstrong® Ultra produced from coils as sheets has one of the widest dimensional range available in this segment”, says Sandeep Arora, general manager of ArcelorMittal Europe – Flat products.

Relia® is ArcelorMittal’s new range of high hardness, low-alloyed martensitic steels, offering outstanding resistance to wear and abrasion. Relia® grades come in three nominal hardness levels: 400, 450 and 500 HBW, obtained through intense water quenching during manufacturing. Principal applications include construction and earthmoving, mining and mineral processing, demolition, waste and recycling, where equipment is required to withstand abrasive environments in a reliable, durable and efficient way.

“Weight savings and longer lasting components are essential to modern mechanical engineering industries to improve performance and reduce operation costs. Armstrong® Ultra and Relia® offer the full package solution that is expected from our customers,” says Yves Boudart, sales director of Industeel, ArcelorMittal’s specialist manufacturer of hot rolled coils and plates.

Maximising performances with Notor HP and Klondike®, ArcelorMittal’s high-technology steel wire ropes

Two of ArcelorMittal’s latest innovations in wire ropes are on display at Bauma 2016: Notor HP and Klondike®. Produced by ArcelorMittal WireSolutions, the group’s European wire drawing division, these two products are the result of over 100 years of expertise, strong teamwork and extensive customer feedback, and offer multiple advantages for the mining and construction industries.

With a very high service life, Notor HP is a high value added solution for our hoisting business. It is the perfect answer to extreme hoisting conditions, offering extremely stable lifting thanks to its rotation-

resistant design. This means that no rotational stresses are transmitted to the installation, reducing maintenance costs.

Developed for mining applications, Klondike[®], launched in September 2015, is already in operation in two mines in Poland and China of more than 300 drawn steel wires, the rope can transport ores from deep underground mines with shafts up to 1000 m deep at high speed (16 m/second). The rope is able to sustain up to 20% more load - a set of four Klondike[®] ropes can carry a load of over 100 tonnes - and has a 40% longer lifetime than any other rope with the same diameter. Like Notor HP, Klondike[®] is non-rotating, meaning it is very stable under load. Both products were manufactured at ArcelorMittal's site of Bourg-en-Bresse, France, a worldwide leader in the production of high-technology steel wire ropes.

Beyond that, WireSolutions has developed the Whisper product for cableway applications. Whisper enables to run cables either in ski resorts or in cities without any noise.

"We are constantly seeking to develop new innovative solutions, and these three steel wire ropes are the perfect answer to the challenging conditions faced by our clients in the mining and construction industries," comments Patrick Laudamy, CEO of ArcelorMittal Wire Solutions.

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About ArcelorMittal

Europe

ArcelorMittal employs more than 80,000 people and produces approximately half of its total steel volume in Europe. With a presence in 17 European countries and around 400 different sites, ArcelorMittal Europe had revenues of €29 billion and a crude steel production of 44 million tonnes in 2015. We supply flat and long steel products for all major steel markets, including the automotive, construction, packaging and household appliances industry – supported by a leading R&D and distribution network with 9 laboratories and 1,000 full-time researchers in Europe.

For more information about ArcelorMittal Europe please visit: <http://europe.arcelormittal.com>

Worldwide

ArcelorMittal is the world's leading steel and mining company, with a presence in 60 countries and an industrial footprint in 19 countries. Guided by a philosophy to produce safe, sustainable steel, we are the leading supplier of quality steel in the major global steel markets including automotive, construction, household appliances and packaging, with world-class research and development and outstanding distribution networks.

Through our core values of sustainability, quality and leadership, we operate responsibly with respect to the health, safety and wellbeing of our employees, contractors and the communities in which we operate.

For us, steel is the fabric of life, as it is at the heart of the modern world from railways to cars and washing machines. We are actively researching and producing steel-based technologies and solutions that make many of the products and components people use in their everyday lives more energy efficient.

We are one of the world's five largest producers of iron ore and metallurgical coal and our mining business is an essential part of our growth strategy. With a geographically diversified portfolio of iron ore and coal assets, we are strategically positioned to serve our network of steel plants and the external global market. While our steel operations are important customers, our supply to the external market is increasing as we grow.

In 2015, ArcelorMittal had revenues of US\$63.6 billion and crude steel production of 92.5 million tonnes, while own iron ore production reached 62.8 million tonnes.

ArcelorMittal is listed on the stock exchanges of New York (MT), Amsterdam (MT), Paris (MT), Luxembourg (MT) and on the Spanish stock exchanges of Barcelona, Bilbao, Madrid and Valencia (MTS).

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