

Amstrong® and Amstrong® Ultra:



Amstrong® and Amstrong® Ultra are ultra-high-strength, high-performance steels with the largest range of dimensions and products on the market, made with a width of up to 3500 mm.

They combine excellent formability with low temperature toughness and fatigue resistance. With Amstrong® Ultra, the structural steel parts are considerably lighter, thinner, taller, wider, making them the smartest choice.

Key Benefits

- Improve payload and reduce fuel consumption in mobile devices by reducing steel thickness
- Longer crane outriggers and better fatigue resistance
- Material cost savings
- Largest size range on the market: from 650 to 1100 Mpa (AmstrongUltra)

Applications

Amstrong® ultra-high strength steels can be used in a variety of transportation, agricultural machinery and construction vehicles and engineering applications. Typical applications include:

Lorries and tippers ◦ Mobile cranes ◦ Crawler cranes ◦ Crane jibs Demolition tools ◦ Cattle racks ◦ Machine frames ◦ Offshore cranes ◦ heavy mechanical equipment ◦ bucket parts.

Manufacturing

Amstrong® Ultra products are manufactured in ArcelorMittal's European plants. Our strong distribution network throughout Europe and worldwide ensures that products with short delivery times can be delivered to your door, wherever you are.

Relia®:



Relia® is ArcelorMittal's new range of low-alloy, high-hardness martensitic steels, 400-450 and 500 HBW, which provide excellent wear and abrasion resistance.

Key benefits

- Extends the life of wearing parts and machine components
- Lower weight
- Lower maintenance costs
- Higher payload capacity
- Extended maintenance cycles

Relia® properties

Relia® sheets and plates are compatible with all thermal cutting processes, including oxy-fuel, plasma and laser. Due to their high purity and uniform properties, they are specially designed for improved formability, especially in the case of subsequent cold forming.

Due to its low carbon content and low carbon equivalent Relia® shows a good weldability.

Applications

- Construction, public works and in traffic
- Excavation, transport and handling of bulk materials for mining, quarrying and the mineral industry
- Heavy duty demolition equipment, waste and recycling machines

Magnelis®:



Magnelis® is an exceptional metallic coating that provides a breakthrough in corrosion protection and is the best choice for a variety of applications.

Thanks to its unique composition, Magnelis® offers an unprecedented level of surface and cut edge protection, even in the most adverse environments.

Magnelis® is produced on a traditional hot-dip galvanizing line with a unique chemical composition including zinc, 3.5% aluminum and 3% magnesium.

Key benefits

- Excellent corrosion resistance: three times better than galvanized steel (based on outdoor tests)
- Best and most cost-effective alternative to galvanized steels
- Self-healing effect for excellent edge protection
- Large feasibility range
- Excellent processing properties
- Environmentally friendly
- Warranty up to 25 years

Applications

- Exceeds precoated welded tubes
- Durable coating for solar structures
- Optimal protection for agricultural applications
- Construction - durability guaranteed
- Infrastructure - permanent guardrails, light poles, acoustic walls
- Industry - Household appliances and switch cabinets

Jetskin®:



Jetskin® is a metallic coating for steel applied by JVD (Jet Vapor Deposition, where a coil is coated continuous in a vacuum chamber). This will allow a much lower ecological footprint. Jetskin® provides a homogeneous coating on one or both sides of the steel.

Key benefits

- Excellent corrosion protection, especially for indoor use.
- Excellent surface quality for unpainted or repainted products
- Homogeneous coating with matt surface; for double and one-sided zinc coating
- Adaptable layer thickness per side

Just-in-Time-Solution

A supply chain team is dedicated to the just-in-time approach. The configuration of the Jetskin® production line makes it possible to shorten the lead time of 3 weeks and to improve the service performance for Jetskin® compared to the EC process. Jetskin® is ready to meet short preparation times.

Applications

- Indoor applications
- Appliances such as washing machines, dryers, dishwashers, stoves, microwave ovens, refrigerators
- Electronics such as computers, laptops, hi-fi and TV cases
- Furniture including cabinets, desks, shelves and switch cabinets
- Air conditioners
- Ceilings

Granite® Silky Shine:



Granite® Silky Shine is a prepainted and very malleable steel for the construction sector; for buildings in corrosive environment. It is mainly used in facade systems with a high-gloss, luxurious surface (pitched roofs or architecturally designed facades). Granite® Silky Shine is tough, durable, color-stable and offers a wide range of colors, shades and textures; with an aesthetics that is especially valued for roof and facade clothing.

Granite® is part of the Nspired by Nature range of ArcelorMittal Flat Carbon Europe and is certified as a product containing no hexavalent chromium or heavy metals.

Product range according to applications

Heavy duty envelopes, including:

- Granite® Standard: A guarantee of quality and sustainability
- Granite® HD: A guarantee of quality with improved UV resistance
- Granite® HDS: Guaranteed quality for corrosive environments

Long-lasting pitched roofs:

- Granite® Flex: Flexible solution for difficult shapes
- Granite® Deep Mat: Deep textured, matt surface
- Granite® Quartz: Long-lasting color system with a mineral surface