

Increasing the life and load capacity of heavy equipment

ArcelorMittal promotes full and global offer for yellow and green good manufacturers

Manufacturers of heavy construction (yellow goods) and agricultural equipment (green goods) are committed to increasing the load capacity and useful life of their vehicles while reducing maintenance and fuel consumption. One way to achieve these goals is to replace commodity steel grades with ArcelorMittal's range of high strength steels. Together with ArcelorMittal Industeel, ArcelorMittal Europe – Flat Products is able to offer a full range of coils or plates for any yellow or green goods application.

ArcelorMittal's Armstrong® range enables manufacturers to reduce the structural thickness and weight of their equipment while improving load capacity. The high yield and tensile strength of these grades combined with their excellent formability, toughness at low temperatures and fatigue resistance make them an excellent solution

for both construction and agricultural equipment manufacturers.

Armstrong® steels are available as hot rolled coils and sheets in various tensile strengths starting from 240 MPa (Armstrong® 240MC) up to 700 MPa (Armstrong® 700MC). Thickness ranges from 1.5 to 20 mm. Ultra high strength Armstrong® steels are being developed with strengths in the 900 to 960 MPa range.

The ArcelorMittal Europe – Flat Products offer is complemented by that of ArcelorMittal Industeel, a wholly owned subsidiary of ArcelorMittal. Industeel produces high strength steel plates in grades S690QL to S1100QL and HB-class wear resistant plates (HB400, HB450, and HB500) in thicknesses from 4 to 150mm. Some HB400 and HB450 grades are offered today by ArcelorMittal Europe – Flat Products as coils or plates (see table or contact us for details). They are used in



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Advanced high strength steels from ArcelorMittal improve the load-bearing capacity of yellow and green goods while reducing weight, thickness and wear.

applications such as excavators and tipper truck containers.

ArcelorMittal is a major supplier of steels to construction and agricultural machinery OEMs, either directly through ArcelorMittal Distribution Solutions or through selected partners in Europe. Our team of expert engineers and researchers are here to help and ready to assist with co-engineering projects or find solutions for all of your welding, cutting and forming questions.



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Grades available from ArcelorMittal for yellow and green goods

Grade	Hot rolled coil	Plates
S690QL/700MC	2 to 12 mm	4 to 150 mm
S890QL/S900MC	In development	5 to 125 mm
S960QL/S960MC	In development	5 to 125 mm
S1100QL		6 to 15 mm
HB400	4 to 6 mm	4 to 150 mm
HB450	In development	4 to 50 mm
HB500		8 to 75 mm

S = Structural steels, high strength, low alloy (HSLA)
 HB = Hardness Brinell wear resistant
 MC = Thermomechanically rolled (M) and cold formable (C)
 QL = Quenched and tempered (Q) low-temperature toughness (L)

For more information about ArcelorMittal's offer for construction and agricultural equipment, please visit: industry.arcelormittal.com/equipment

More information about ArcelorMittal Industeel's offer can be found at: industeel.arcelormittal.com