

Flat steel



ArcelorMittal

ArcelorMittal





Hot rolled plate

Hot rolled plate

Hot rolled plate is manufactured in a wide range of sizes for applications in several industries varying from construction, pressure vessel and wear resistant plates.

Size range

Hot rolled plate normally ranges in width from 1200mm to 3200mm and thickness from 6mm to a maximum of 80mm for structural steels and a maximum of 60mm for pressure vessel steels. The maximum thickness available, however, also depends on strength levels and ultrasonic test requirements. Plates can be produced with an individual mass of up to 10.5 tons.

Qualities

ArcelorMittal South Africa's hot rolled plate range is available in the following grades:

Specification	Product condition	Thickness range (mm)
COMMERCIAL QUALITY (certified - analysis only) ¹⁾	As rolled	5 – 100 100 – 150 ¹⁾
SAE 1006	As rolled	5 – 100
SAE 1008	As rolled	5 – 100
SAE 1010	As rolled	5 – 100
Flange and profile (uncertified)	As rolled	8 – 100

Please note:¹⁾>100mm no guarantees for internal soundness

Structural grades

Specification	Product condition	Thickness range (mm)
EN 10025 – 2 – S 235 JR +AR	As rolled	5 – 80
EN 10025 – 2 – S 235 J0 +AR	As rolled	6 – 80
EN 10025 – 2 – S 235 J2 +N	Normalised	6 – 80
EN 10025 – 2 – S 275 JR +AR	As rolled	5 – 80
EN 10025 – 2 – S 275 J0 +AR	As rolled	6 – 80
EN 10025 – 2 – S 275 J2 +N	Normalised	6 – 80
EN 10025 – 2 – S 355 JR +AR	As rolled	6 – 80
EN 10025 – 2 – S 355 JR +N	Normalised	6 – 80
EN 10025 – 2 – S 355 J0 +AR	As rolled	6 – 40
EN 10025 – 2 – S 355 J0 +AR ¹⁾	As rolled	40 – 80 ²⁾
EN 10025 – 2 – S 355 J0 +N	Normalised	6 – 80
EN 10025 – 2 – S 355 J2 +N	Normalised	6 – 80
EN 10025 – 2 – S 355 K2+N	Normalised	6 – 80
EN 10025 – 3 – S 355 NL	Normalised	6 – 50
ASTM A36	As rolled	5 – 100

Please note:¹⁾Available on enquiry only.
²⁾100mm no guarantees for internal soundness

Pressure vessel grades

Specification	Product condition	Thickness range (mm)
ASME SA516 / ASTM A 516 –GR 60	As rolled	5 – 40
ASME SA516 / ASTM A 516 –GR 60+N	Normalised	6 – 60
ASME SA516 / ASTM A 516 –GR 65	As rolled	5 – 40
ASME SA516 / ASTM A 516 – GR 65+N	Normalised	6 – 60
ASME SA516 / ASTM A 516 – GR 70	As rolled	6 – 60
ASME SA516 / ASTM A 516 – GR 70+N	Normalised	6 – 60
BS1501/151 GR430A / BS1501/161 GR430A ¹⁾	As rolled: t = 5 – 40 Normalised: t = 6 – 80	5 – 60
BS1501/151 GR430B / BS1501/161 GR430B ¹⁾	As rolled: t = 5 – 40 Normalised: t = 6 – 80	5 – 60
EN 10028 – 2 P235 GH + AR ³⁾	As rolled	6 – 20
EN 10028 – 2 P235 GH + N	Normalised	6 – 20
EN 10028 – 2 P265 GH + AR ³⁾	As rolled	6 – 60
EN 10028 – 2 P265 GH + N	Normalised	6 – 60
EN 10028 – 2 P265 GH + AR / BS1501-151/161GR430A ^{2) 3)}	As rolled	6 – 60
EN 10028 – 2 P265 GH + N / BS1501-151/161GR430A ²⁾	Normalised	6 – 60
EN 10028 – 2 P295 GH + AR ³⁾	As rolled	6 – 60
EN 10028 – 2 P295 GH + N	Normalised	6 – 60
EN 10028 – 3 P355 NH	Normalised	6 – 60
EN 10028 – 3 P355 NL2	Normalised	6 – 60
EN 10028 – 3 P355 NL1	Normalised	6 – 60

Please note: ¹⁾ BS1501 internationally replaced by EN10028. BS1501 are available on enquiry only

²⁾ Dual Specification.

³⁾ Test piece must be normalised and extra to apply.

Ship hull grades

Specification	Product condition	Thickness range (mm)
LLOYDS GR A ¹⁾	As rolled	5 – 30
ABS Ship Plate GR A ¹⁾	As rolled	5 – 30
ABS Ship Plate GR A / LLOYDS GR A ²⁾	As rolled	5 – 30
ABS/LR Eh36/ EN10025-2-S355J2+N ³⁾	Normalised	6 – 30
LLOYDS GR DH36 ¹⁾³⁾	Normalised	6 – 30
LLOYDS GR EH36 ¹⁾³⁾	Normalised	6 – 30
ABS Ship Plate GR EH36 ¹⁾³⁾	Normalised	6 – 30
ABS Ship Plate GR EH36 / LLOYDS GR EH36 ²⁾³⁾	Normalised	6 – 30

Please note:¹⁾ Witnessing by Lloyds or ABS representatives compulsory upon ordering all ship plate qualities

²⁾ Witnessing by Lloyds and ABS representatives compulsory upon ordering of these ship plate qualities

³⁾ Available on enquiry only.

Steel for special applications

Specification	Product condition	Thickness range (mm)
Galvanising Bath Steel	As rolled	6 – 63

Hard wearing grades

Specification	Product condition	Thickness range (mm)
Wear Plate 200 ¹⁾	As rolled	6 – 60
15MnB5 AMSA Plate ¹⁾	As rolled	6 – 20

Please note:¹⁾ Supplied as Sides Uncut (Invoice on theoretical mass). See datasheet a1.3 for plate mass

Quench & tempered grades

Specification	Product condition	Thickness range (mm)
ROQ-last® TH 400 ¹⁾	Quenched	8 - 25mm
ROQ-tuf® AM 700 ^{1) 2)}	Quenched and Tempered	8 - 25mm

Please note: Applicable Extras will be charged separately

¹⁾ Quenched & Tempered plate. Not guaranteed for yellow goods applications with stringent surface and flatness requirements.

²⁾ On enquiry only.

Typical end uses

Hot rolled plate is used in the manufacture of heavy engineering products such as construction, mining, pressure vessels, overhead cranes, dump trucks, storage tanks and wind towers.

For more information on hot rolled plate, please visit the datasheets online

(<https://flatsteel.arcelormittalsa.com/home.asp>)



Hot rolled coil

Hot rolled coil

It is mill process which involves rolling the steel at a high temperature where recrystallisation can readily occur.

Typical size range

ArcelorMittal South Africa's products normally range in thickness from 1.0 mm to 16mm and in width from 800mm to 1925mm.

Qualities / Specifications

Please note the following:

Thickness range available is dependent on the type of steel and width-thickness ratio (refer to datasheet) only the minimum thickness available in the narrowest available slab and the maximum thickness is shown.

The slab/input width to produce coil differs from the final coil width.

ArcelorMittal South Africa's hot rolled coil range is available in the following grades:

Low carbon qualities

Specification	Thickness range (mm)	Available Slab Widths ¹⁾
SAE 1006	1.5 – 13	960; 1000; 1100; 1200; 1300; 1400; 1500; 1600; 1870
SAE 1008	1.5 – 13	960; 1000; 1100; 1200; 1300; 1400; 1500; 1600; 1870
SAE 1010	1.6 – 13	960; 1000; 1100; 1200; 1300; 1400; 1500; 1600
SAE 1010 (Si 0,03%)	1.6 – 13	960; 1000; 1100; 1200; 1300; 1400; 1500; 1600
SAE 1018	1.6 – 13	1100; 1200; 1300; 1400; 1500; 1600; 1870
Commercial quality	1.5 – 13	960; 1000; 1100 ; 1200; 1300 ; 1400; 1500; 1600 ; 1870

Please note: ¹⁾Standard slabs are demarcated in bold

Structural grades

Specification	Thickness range (mm)	Available Slab Widths ²⁾
EN 10025 – 2 – S235 JR +AR	1.6 – 13	1000; 1100; 1200; 1300; 1400; 1500; 1600; 1870
En10025 – 2 – S235 JR + AR (Si .03%)	1.6 – 13	960; 1000; 1100; 1200; 1300 ; 1400; 1500; 1600; 1870
EN 10025 – 2 – S275 JR +AR	1.6 – 13	1100 ; 1200; 1300 ; 1400 ; 1500; 1600 ; 1700; 1870
En10025 – 2 – S275 JR + AR (Si .03%)	1.6 – 13	900; 960; 1000; 1100; 1200; 1300 ; 1400; 1500; 1600; 1700; 1870
EN 10025 – 2 – S355 J0 + AR ¹⁾	6.0 – 12	1100; 1300; 1400; 1600; 1870

Please note: ¹⁾ Less than 2.0mm available at Saldanha only. Dimensions 1.5 and 1.6 x 1220mm only
(All other dimensions on enquiry only)

²⁾ Standard slabs are demarcated in bold.

Tube and line pipe steel

Specification	Thickness range (mm)	Available Slab Widths ²⁾
SAE 1008 (Si 0.03%)	1.5 – 13	960; 1000; 1100; 1200; 1300; 1400; 1500; 1600; 1820
SAE 1008 (Si Killed)	1.7 – 13	1300; 1500; 1600
SAE 1008 (LOW S)	1.7 – 6.0	1300; 1400
SAE 1010 (YS 285)	1.6 – 6.0	960; 1300; 1400; 1500
EN 10219 – 1 – S275 JOH (S275 Tube)	1.6 – 6.0	960; 1200; 1300; 1400; 1500; 1600
EN 10219 – 1 – S355 MH (S355 Tube)	2.0 – 6.5	1100; 1200; 1300; 1400; 1500; 1600
API 5L L245 / Gr B PSL1	2.0 – 14	1100; 1200; 1320; 1440; 1500; 1550; 1600; 1650; 1700; 1760; 1820
API 5L L290 / X42 PSL1	2.0 – 14	960; 1050; 1200; 1320; 1440; 1500; 1550; 1600; 1650; 1700; 1760; 1820; 1950
API 5L L290 / X42 PSL2	6.0 – 12	1100; 1200; 1320; 1440; 1500; 1550; 1600; 1650; 1700; 1760; 1820
API 5L L360 / X52 PSL1 ¹⁾	6.0 – 14	1100; 1200; 1300; 1400; 1600; 1750; 1820
API 5L L360M / X52 PSL2 ¹⁾	6.0 – 14	Enquiry only
API 5L L415 / X60 PSL1 ¹⁾	6.0 – 13	Enquiry only
API 5L L415M / X60 PSL2 ¹⁾	6.0 – 13	Enquiry only
API 5L L450 / X65 PSL1 ¹⁾	9.0 – 13	Enquiry only
API 5L L450M / X65 PSL2 ¹⁾	10 – 13	1600
API 5CT J55	6.0 – 10	960; 1100; 1440; 1600

Please note: ¹⁾Availability subject to enquiry. Quality extra is valid for standard API 5L only and will be adjusted per contract or technical requirements.

²⁾Standard slabs are demarcated in bold.

Drawing and forming grades

Specification	Thickness range (mm)	Available Slab Widths
EN 10111 DD 11	2.0 – 8.0	960; 1000; 1100; 1200; 1300; 1400; 1500; 1600
EN 10111 DD 12	2.0 – 8.0	960; 1000; 1100; 1200; 1300; 1400; 1500; 1600
EN 10111 DD 13	2.0 – 8.0	960; 1000; 1100; 1200; 1300; 1400; 1500; 1600
EN 10111 DD 14	2.0 – 8.0	960; 1000; 1100; 1200; 1300; 1400; 1500; 1600

Structural steel with improved formability

Specification	Thickness range (mm)	Available Slab Widths ²⁾
Supraform® HR 190	2.0 – 10	960; 1000; 1100; 1200; 1300; 1400; 1500; 1600
Supraform® HR 250	2.0 – 10	960; 1000; 1100; 1200; 1300; 1400; 1500; 1600
Supraform® HR 290 (S0.010%)	2.0 – 6.0	1100; 1200; 1300; 1400 ; 1500; 1600; 1870

Please note: Minimum order quantity for all Supraform® TM ranges will be 2 full slab coils.

²⁾Standard slabs are demarcated in bold.

New structural steel with improved formability

Specification	Thickness range (mm)	Available Slab Widths ¹⁾
Supraform® S 315 MC/ EN – 2 - S315 MC	2.0 – 10	1100; 1300 ; 1400 ; 10149 1600
Supraform® S 355MC/ EN 10149 – 2 - S355 MC	2.0 – 12	960; 1000; 1300 ; 1600 ; 1700; 1870
Supraform® S 420 MC/ EN 10149 – 2 - S420 MC	2.3 – 8.0	960; 1000 ; 1300 ; 1400; 1600
Supraform® S 550 MC/ EN 10149 – 2 - 550 MC	2.5 – 8.0	1300 ; 1600

Please note: Minimum order quantity for all Supraform® TM ranges will be 2 full slab coils.
¹⁾Standard slabs are demarcated in bold.

Special applications

Specification	Thickness range (mm)	Available Slab Widths
SANS 1350	2.2 – 6.0	1500

High carbon and / or alloyed steels

Specification	Thickness range (mm)	Available Slab Widths ¹⁾
Wearplate 200 ²⁾	2.0 – 6.0	960 ; 1300
22MnB5 AMSA HR ³⁾	2.0 – 7.0	960; 1300; 1400

Please note: Availability of High Carbon or Alloyed steel is restricted to Mill Edge only and the following dimensions:

¹⁾960mm slab width range (2.0 to 6.0mm) and 1300mm slab (2.5 - 6.0mm).

²⁾960mm slab width range (2.0 to 6.0mm) and 1300mm slab (3.7 - 6.0mm).

³⁾Standard slabs are demarcated in bold.

Vastrap® (Chequered Pattern Floor plate)

Specification	Thickness range (mm)	Available Slab Widths ¹⁾
Commercial quality -Vastrap®	3.0 – 8.0	960; 1100; 1300

Please note: Available as mill edge only.
¹⁾ Standard slabs are demarcated in bold

Pressure vessel grades

Specification	Thickness range (mm)	Available Slab Widths
EN10028-2 P265 GH +AR	2.0 – <10	1100; 1200; 1300; 1400; 1500; 1600; 1700; 1870
EN 10028-2 P355 GH+AR	3.5 – <10	1300
EN10028-5 P355M	3.2 – <10	1100; 1200; 1300; 1400; 1500; 1600; 1700; 1870

Please note: Confirm elevated temperature testing on enquiry for **GH** specification.

Re-rolling grades

Specification	Thickness range (mm)	Available Slab Widths
SAE 1006 (Si 0.03%)	1.5 – 13	960; 1000; 1100; 1200; 1300; 1400; 1500;
SAE 1006-Boron alloyed	2.0 – 6.0	960; 1000; 1100; 1200; 1300; 1400; 1500
SAE 1008-High elongation	2.2 – 6.0	960; 1000; 1100; 1200; 1300; 1400; 1500

Typical end uses

Hot rolled coil is used in the manufacturing of general engineering products such as containers, mining equipment, drawing and forming applications like wheel rims, small- and large bore pipes, agricultural implements, earth moving equipment, gas cylinders, truck trailers, water tanks, railway rolling stock, racking & shelving, etc.

For more information on hot rolled steel. please visit the datasheets online

(<https://flatsteel.arcelormittalsa.com/home.asp>)





Hot rolled coil
- Pickled and Oiled

Hot rolled coil — Pickled & Oiled

Pickled & Oiled coil is hot rolled material that has been descaled of oxide film by both mechanical and chemical methods and then oiled to help retard corrosion during storage and after descaling.

Size range

ArcelorMittal South Africa's Pickled & Oiled products normally range in thickness from 1.5 – 4.8mm and in width from 800mm to 1830mm.

Qualities

Please note the following:

Thickness range available is dependent on type of steel and width-thickness ratio (refer to datasheet). Only the minimum thickness available in the narrowest available slab and the maximum thickness are shown.

The slab/input width to produce coil differs from the final coil width.

ArcelorMittal South Africa's hot rolled coil – pickled & oiled range is available in the following qualities:

Low carbon qualities (chemical analysis only)

Specification	Thickness Range(mm)	Available Slab widths ¹⁾
SAE 1006	1.5 – 4.8	960; 1000; 1100; 1200; 1300; 1400; 1500; 1600; 1870
SAE 1008	1.5 – 4.8	960; 1000; 1100; 1200; 1300; 1400; 1500; 1600; 1870
SAE 1008 (Si 0.03%)	1.5 – 4.8	960; 1000; 1100; 1200; 1300; 1400; 1500; 1600; 1870
SAE 1010	1.6 – 4.6	960; 1000; 1100; 1200; 1300; 1400; 1500; 1600
SAE 1018	1.6 – 4.6	1100; 1200; 1300; 1400; 1500; 1600; 1870
Commercial quality	1.5 – 4.8	960; 1000; 1100; 1200; 1300; 1400; 1500; 1600; 1870

Please note:¹⁾Standard slabs are demarcated in bold

Structural grades

Specification	Thickness range (mm)	Available Slab Widths ¹⁾
SANS 50025/ 10025 – 2 – S235 JR + AR	1.6 – 4.6	1000; 1100; 1200; EN 1300 ; 1400; 1500; 1600; 1870
SANS 50025/ 10025 – 2 – S275 JR + AR	1.6 – 4.6	1100; 1200; 1300; EN 1400; 1500; 1600; 1870
SANS 50025/ EN 10025 – 2 – S355 JR + AR	2.5 – 4.0	1100; 1300; 1400

Please note:¹⁾Standard slabs are demarcated in bold

Drawing and forming grades

Specification	Thickness range (mm)	Available Slab Widths ¹⁾
EN 10111 DD 11	2.0 – 4.8	960; 1000; 1100; 1200; 1300; 1400; 1500; 1600
EN 10111 DD 12	2.0 – 4.8	960; 1000; 1100; 1200; 1300; 1400; 1500; 1600
EN 10111 DD 13	2.0 – 4.8	960; 1000; 1100; 1200; 1300; 1400; 1500; 1600
EN 10111 DD 14	2.0 – 4.8	960; 1000; 1100; 1200; 1300 ; 1400; 1500; 1600

Please note:¹⁾Standard slabs are demarcated in bold

Steel for gas containers

Specification	Thickness Range(mm)	Available Slab widths
EN 10120 P265NB ⁹	2.0 – 4.6	960; 1300

Please note:⁹ Replaces quality LPG275

Pressure vessel grades

Specification	Thickness Range(mm)	Available Slab widths
EN 10028-5 P355M	3.2 – 4.0	1300

High carbon and/ or alloyed steels

Specification	Thickness Range(mm)	Available Slab widths ¹¹
WEARPLATE 200	2.0 – 3.8	960; 1300 22MnB5 AMSA
HR	2.0 – 3.8	960
SAE 1030 (CT625)	2.4 – 3.8	1200

Please note: Availability of High Carbon or Alloyed steel is restricted to Mill Edge and certain dimensions only

¹¹Standard slabs are demarcated in bold

Automotive applications

Specification	Quality Code	Available Slab Widths	Thickness Range (mm)
SUPRAFORM HR 190	585 000	960; 1000; 1100; 1200; 1300; 1400; 1500;	2.0 – 4.8
SUPRAFORM HR 250	577 000	960; 1000; 1100; 1200; 1300; 1400; 1500;	2.0 – 4.6
SUPRAFORM HR 290 (S0,010%)	582 005	1100; 1200;1300;1400; 1500;	2.0 – 4.6
SUPRAFORM S315MC / EN10149-2 S315MC	556 000	1100; 1300	2.0 – 4.0
SUPRAFORM S355MC / EN10149-2 S355MC	557 000	960; 1000; 1300	2.0 – 4.0
SUPRAFORM S420MC / EN10149-2 S420MC	559 001	960; 1100; 1300	2.0– 4.0
JIS G3113 SAPH 400 (S,010 Low C)	105 003	1300	2.0 – 4.0
JIS G3134 SPFH 590 (S,010)	474 001	1300	2.3 – 3.8
SUPRAFORM HR220	578 000	1000; 1300	2.0 – 4.8

Typical end uses

Our pickled & oiled coil is further processed to manufacture chicken battery feeding chains, money coins for SA Munt, various forms of brackets and vehicle jacks to name a few.

For more information on hot rolled coil – Pickled & Oiled, please visit the datasheets online

(<https://flatsteel.arcelormittalsa.com/home.asp>)







Cold rolled coil

Cold rolled coil

Cold rolled sheet is produced by processing hot rolled strip through a cold rolling process, followed by annealing and/or temper rolling. This process will produce steel with thinner gauges, closer dimensional tolerances and a wider range of uncoated surface finishes.

Size range

Thickness t (mm)	Width (mm)
$0,40 \leq t < 0,50$	800-1250
$0,50 \leq t < 0,60$	800-1300
$0,60 \leq t < 2,00$	800-1600

Please note: Item availability dependent on available slab width per specification
Width/Thickness ratio limitations may apply

Qualities / Specifications

Please note the following:

The slab width differs from the final material width.
ArcelorMittal South Africa's cold rolled coil range is available in the following grades:

Commercial grades

Specification	Available Slab Widths
Commercial Quality (Cold Rolled)	960; 1000; 1100; 1200; 1300; 1400; 1500; 1600
Commercial Quality (Cold Rolled) Hard Un-annealed	960; 1000; 1100; 1200; 1300; 1400; 1500; 1600

Please note: ⁹ Full-Slab-Coil only. Splitting to smaller coils is not available.

Drawing and forming grades

Specification	Available Slab Widths
Drawing Quality CR210	960; 1000; 1100; 1200; 1300; 1400; 1500; 1600

Please note: ¹Not suitable for automotive applications, Non-ISF only.

Carbon grades

Specification	Available Slab Widths
SAE/AISI 1006	960; 1000; 1100;1200; 1300; 1400; 1500; 1600
SAE/AISI 1006 (Si 0,03%)	960; 1000; 1100;1200; 1300; 1400; 1500; 1600
SAE/AISI 1008	960; 1000; 1100;1200; 1300; 1400; 1500; 1600
SAE/AISI 1008 (Si 0,03%)	960; 1000; 1100;1200; 1300; 1400; 1500; 1600
SAE/AISI 1010	960; 1000; 1100;1200; 1300; 1400; 1500; 1600
SAE/AISI 1010 (Si 0,03%)	960; 1000; 1100;1200; 1300; 1400; 1500; 1600
SAE/AISI 1010 (Domestic Appliances)	960; 1000; 1100;1200; 1300; 1400; 1500; 1600
SAE/AISI 1012	960; 1000; 1100;1200; 1300; 1400; 1500; 1600
SAE/AISI 1012 (Hard Un-annealed)	960; 1000; 1100;1200; 1300; 1400; 1500; 1600

Enamelling grades

Specification	Available Slab Widths
Commercial Enamelling Quality	1000; 1100; 1200; 1300; 1400; 1450; 1600
Drawing and Enamelling Quality	1000; 1100; 1200; 1300; 1400; 1450; 1600
EN 10209 DC01 EK	1000; 1100; 1200; 1300; 1400; 1450; 1600
EN 10209 DC04 EK	1000; 1100; 1200; 1300; 1400; 1450; 1600

ASTM grades

Specification	Available Slab Widths
ASTM A 1008 – 03 CS Type A (HRB40 – 60)	960; 1000; 1100; 1200; 1300; 1400; 1500; 1600

Structural grades

Specification	Available Slab Widths
ASTM A 1008 – 06 SS GR 230 TYPE 1	1000; 1100; 1200; 1300
ASTM A 1008 – 06 SS GR 275 TYPE 1	1000; 1100; 1200; 1300
ASTM A 1008 – 06 HSLAS GR 340 CL2	1100
ASTMA214 (YS 270)	960; 1000; 1200; 1300

Automotive Specifications

Drawing and Forming

Specification	Thickness (mm)	Available Slab Widths
EN 10130 DC06	0.7 - 1.6	1000; 1100; 1200; 1300; 1400 1500; 1600; 1700
EN 10130 DC05	0.7 - 1.6	1000; 1100; 1200; 1300; 1400; 1500; 1600; 1700
EN 10130 DC04	0.47 - 2.0	1000; 1100; 1200; 1300; 1400; 1500; 1600; 1700
EN10130 DC01	0.5 - 2.0	1300

Please note: Width/Thickness ratio limitations may apply
For available items please refer to pricelist (PI131)

Structural steel with improved formability

Specification	Thickness (mm)	Available Slab Widths
EN 10268 (2006) HC220P	0.7 - 1.6	1300; 1400; 1500
EN 10268 HC 260 LA	0.7 - 2.0	1000; 1200; 1300; 1400; 1500
EN 10268 HC 340 LA	0.7 - 2.0	1100; 1300
EN 10268 HC 420 LA	0.8 - 1.6	1300
JIS G3135 SPFC 340	0.7 - 1.6	1100; 1200
JIS G3135 SPFC 440	0.7 - 1.8	1200; 1300; 1400; 1500
22MNB5 CR (Hot Stamping)	1.2 - 2.0	960; 1300

Please note: Width/Thickness ratio limitations may apply
For available items please refer to price list 131

Typical end uses

Electric appliances, domestic appliances like stoves, fridges and geysers. It can also be used for office equipment, containers, vehicle manufacturing, etc.

For more information on cold rolled coil, please visit the data sheets online

(<https://flatsteel.arcelormittalsa.com/home.asp>)



Galvanised coil

Galvanised coil

It is the process of applying a protective zinc coating to steel to prevent rusting. The most common method is hot-dip galvanizing, in which parts are submerged in a bath of molten zinc.

Size range

Thickness: 0.25 to 3mm

Width: 762 – 1500 mm

For the available thickness/width combinations, refer to the price extras list 140

Coating range

Coating designation	Minimum Requirement Triple Spot Test (g/m ²) Total Both Sides	Minimum Requirement Single Spot Test (g/m ²) Total of both sides	Nominal thickness of zinc coating per side (µm)
Z100 ¹⁾	100	85	7
Z150 ²⁾	150	128	10
Z200	200	170	14
Z275	275	235	19
Z450 ³⁾	450	385	32
Z600 ³⁾	600	510	42

Please note: ¹⁾ Only available on 0.25, 0.27 and 0.30mm ISQ 550 material.

²⁾ ISQ specification only.

³⁾ Not recommended for forming grades. (Thicker coatings available on request for special applications)

Qualities

Please note the following:

The slab/input width to produce coil differs from the final coil width.

ArcelorMittal South Africa's galvanised coil range is available in the following grades:

Commercial grades

Specification	Available Slab Widths
ISQ 300 Gauges 0.4; 0.5; 0.53; 0.58mm	960; 1000; 1100; 1300; 1400; 1500; 1600
ISQ 300 Gauges 0.8; 1.0; 1.2mm	960; 1000; 1100; 1300; 1400; 1500; 1600
ISQ 550 Gauges 0.25; 0.27; 0.30; 0.40 mm (Application: S-Rib)	960; 1000
ISQ 550 (3T) Gauges 0.47; 0.5; 0.53; 0.58 mm	960; 1000; 1100; 1300

Carbon grades

Specification	Available Slab Widths
SAE 1006	960; 1000; 1100; 1300; 1400; 1600
SAE 1012	960; 1000; 1100; 1300; 1400; 1600
SAE 1012 (Full Hard)	960; 1000; 1100; 1300

Drawing and forming grades

Specification	Available Slab Widths
Drawing Quality - Gauges 0.40 to 1.60mm	960; 1000; 1100; 1300; 1400; 1600
Lock Forming Quality - Gauges 0.40 to 1.60mm	960; 1000; 1100; 1300; 1400; 1600

Structural grades

Specification	Available Slab Widths
EN 10346 S250 GD - Gauges 0.8 to 2.0mm	1300
EN 10346 S280 GD - Gauges 0.8 to 3.0mm	1300; 1400
EN 10346 S350 GD - Gauges 0.8 to 3.0mm	1300; 1400
EN 10346 S550 GD - Gauges 1.00 to 1.20mm	1300

Coil mass table indicating final product width

Slab width	Final product width (mm)	Nominal Full-slab-coil mass (ton)
960 "	(762 to 920) "	17
1000	925 to 960	18
1100	965 to 1060	20
1200	1065 to 1160	21
1300	1165 to 1260	22
1400	1265 to 1360	23
1500	1365 to 1460	25
1600 5-skid	1465 to 1560	24
1700 5 skid "	(1565 to 1600) "	25

Please note: Specific restrictions per quality (Please refer to datasheets)
Tolerance on coil mass: +10% -25% (Light mass - 40%)
"These widths are available for approved enquiry orders only

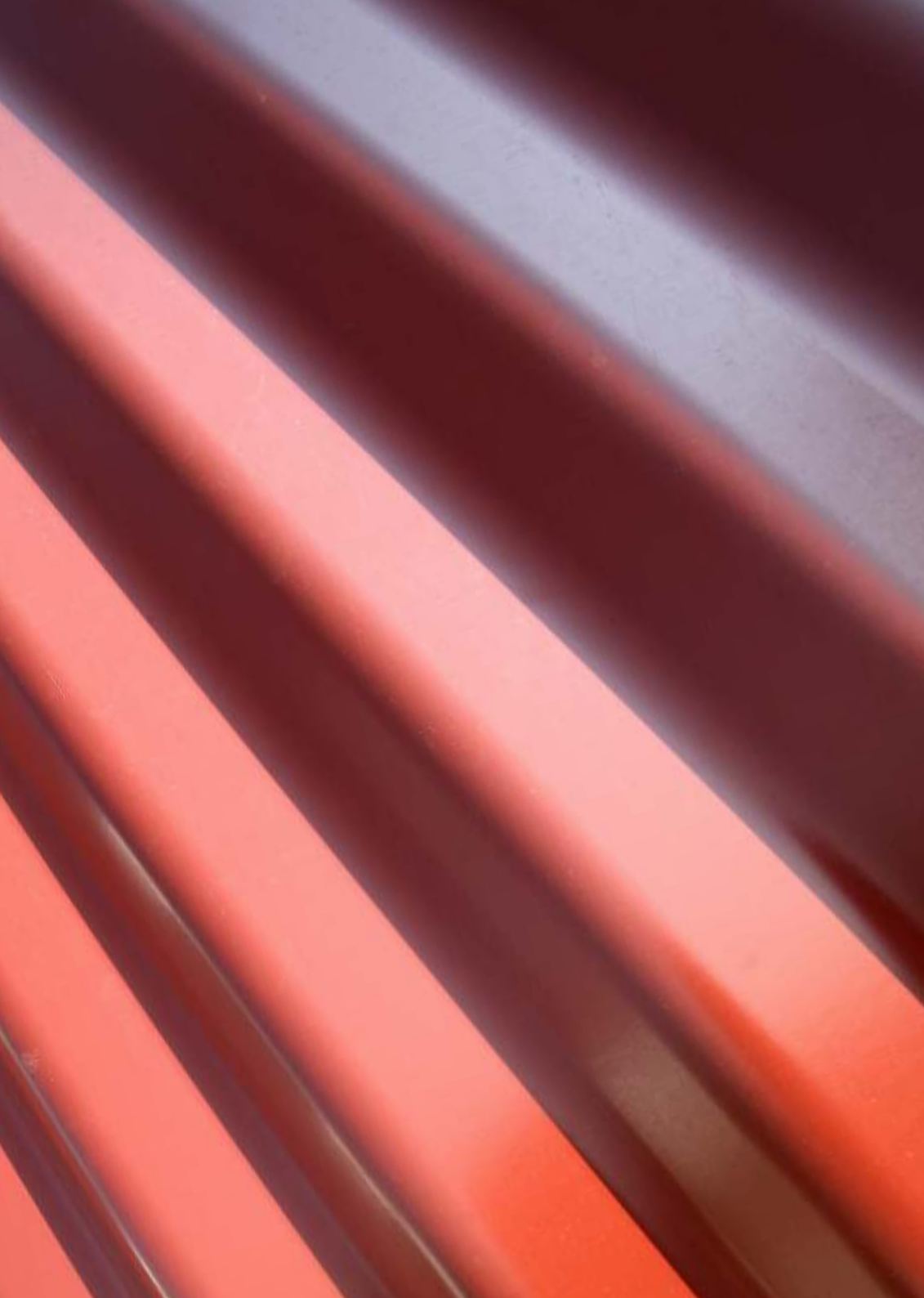
Typical end uses

This includes light steel frame building, roofing & cladding, racking & shelving, purlins, roof trusses, etc.

For more information on galvanised coil, please visit the datasheets online

(<https://flatsteel.arcelormittalsa.com/home.asp>)





Chromadek[®] - Colour coil

Chromadek - Colour coil

Chromadek® is produced with a Zinc coating with a top and backing paint coat available in various colours. For more information about Chromadek®, please visit www.chromadek.com



Size range

Chromadek® roofing (Price extras list 147) – 0.47 to 0.8mm

Chromadek® Insulated Panels (Cool Rooms) and Sign Boards – 0.5 to 1.4mm

Ceiling Strips – 0.5mm

Chromadek® Garage Doors – 0.58mm

Other Exterior Applications – 0.5 to 1.2mm

Qualities

Please note the following:

The slab/input width to produce coil differs from the final coil width.

ArcelorMittal South Africa's colour coil range is available in the following grades:

Commercial grades

Specification	Available Slab Widths
ISQ 2301)	960; 1000; 1100; 1300; 1400
ISQ 2302)	1000; 1300

Drawing and forming grades

Specification	Available Slab Widths
Drawing Quality - Gauges 0,40 to 1,60 mm ¹⁾	960; 1000; 1100; 1300; 1400
Lock Forming Quality - Gauges 0,40 to 1,60 mm ¹⁾	960; 1000; 1100; 1300; 1400

Please note: ¹⁾For non-roofing

Medium hard

Specification	Available Slab Widths
ISQ 300 (< 0,58mm) ¹⁾	960; 1000; 1100; 1300; 1400
ISQ 300 (> 0,58mm) ¹⁾	960; 1000; 1100; 1300; 1400
ISQ 300 (< 0,58mm) ²⁾	1000; 1300
ISQ 300 (> 0,58mm) ²⁾	1000; 1300

Please note: ¹⁾For colour roofing and Afri-Roof®
²⁾For colour roofing and Afri-Roof®

Full hard

Specification	Available Slab Widths
ISQ 550 (3T) ²⁾ (0,47; 0,50; 0,53; 58; 0,80mm)	1000; 1300
ISQ 550 (0,30mm) Only Afri-Roof®	960

Please note: ²⁾For colour roofing and Afri-Roof®

Coil mass table indicating final product width

Slab width	Final Product width (mm)	Nominal Full-Slab-Coil mass (t) ³⁾	Nominal Full-Paint-line-Coil mass (t) ⁴⁾
960 ⁵⁾	775 to 920 ⁵⁾	16	8
1000	925 to 960	18	9
1100	965 to 1060	20	10
1200	1065 to 1160	20	10
1300	1165 to 1260	21	7
1400	1265 to 1360	24	8
(1500) ⁵⁾	(1365 to 1460) ⁵⁾	24	8

Please note: ⁴⁾For Paint line material the coil sizes available are only the Full-Paint-Line-Coil mass indicated and half thereof. 1/3 and 1/4 coils are not available as the mother galvanised coil (Full-Slab-Coil) has already been split into 1/2 or 1/3 due to the 10 ton handling restriction at the paint line.

³⁾Minimum mass ordered should be equivalent to one full slab coil for Standard Items and two full slab coils for all Other Items.

⁵⁾Widths strictly on enquiry only:
Maximum Available Width is 1320mm;
Minimum Available Width is 925mm

Typical end uses

It would include roof sheeting, cladding, insulated Panels for cool rooms, ceiling strips and garage doors.

For more information on Chromadek®, please visit the datasheets online (<https://flatsteel.arcelormittalsa.com/home.asp>)



Electrogalvanised coil

Electrogalvanised coil

Electrogalvanised steel sheet consists of a cold rolled steel substrate coated with zinc by electrolytic deposition on a continuous line. The electrogalvanising process allows accurate control of the thickness of the zinc coating.

Size range

For typical size range please refer to Quality / Specifications table.

For specific available items please refer to price extras list 148.

Structural grades

Coating designation side	Description	Normal coating Thickness per area per side (micrometers)	Normal coating mass per unit area per side (g/m ²)	Minimum coating mass per unit (g/m ²)
ZE 25/25	Normal coating	2,5/2,5	18/18	12/12
ZE 50/50	Heavy coating	5,0/5,0	36/36	28/28
ZE 75/75		7,5/7,5	54/54	47/47

Qualities / Specifications

Please note the following:

The slab width differs from the final material width.

ArcelorMittal South Africa's electrogalvanised coil range is available in the following grades:

Drawing and Forming

Specification	Thickness (mm)	Available Slab Widths
EN 10152 DC06+ ZE	0.7 - 1.6	1000; 1100; 1200; 1300; 1400; 1500; 1600; 1700

Specification	Thickness (mm)	Available Slab Widths
EN 10152 DC05+ZE	0.7 - 1.6	1100; 1200; 1300; 1400; 1500; 1600; 1700
EN 10152 DC04+ ZE	0.47 - 2.0	1000; 1100; 1200; 1300; 1400; 1500; 1600; 1700
EN 10152 DC01+ZE	0.5 - 2.0	1300

Structural steel with improved formability

Specification	Thickness (mm)	Available Slab Widths
EN 10268 (2006) HC 220P+ZE	0.7 - 1.6	1300; 1400; 1500
EN 10268 HC 260LA+ZE	0.7 - 2.0	1000; 1200; 1300; 1400; 1500
EN 10268 HC 340LA+ZE	0.7 - 2.0	1100; 1300
EN 10268 HC 420LA+ZE	0.8 - 1.6	1300
JIS G3135 SPFC 340+ZE	0.7 - 1.6	1100; 1200
JIS G3135 SPFC 440+ZE	0.7 - 1.8	1200; 1300; 1400; 1500

Typical end uses

Electro-galvanised steel sheet is intended for applications involving all forming, drawing, stretching and bending processes during the manufacture of articles.

Typical end uses would include automotive body panels, structural components and trailers.

For more information on electrogalvanised coil, please visit the datasheets online

(<https://flatsteel.arcelormittalsa.com/home.asp>)



Tinplate coil

Tinplate coil

Tinplate is produced from cold rolled sheet which is electrolytically coated with tin. The tin coating provides corrosion resistance to the steel substrate and plays a beneficial role with regards to the preservation of certain foods. In addition, the surface of tinplate lends itself to printing and silk screening. It is used widely in the packaging industry for cans, can ends, larger containers and a range of closures. Tin coatings of different thicknesses are produced to suit specific requirements.

Typical size range

ArcelorMittal South Africa's tinned products normally range in thickness from 0.19 – 0.45mm and in width from 800mm to 950mm.

Available tin coatings

Equal coatings

Designation	Previous Designation	Coating mass (g/m ²)		Corrosion resistance
		Nominal	Min – Max per side	
E 1,4 / 1,4	EF	1,4 / 1,4	1,1 – 2,3	For low corrosion resistance requirements
E 2,8 / 2,8	E1	2,8 / 2,8	2,3 – 3,9	For low to mild corrosion resistance requirements
E 5,6 / 5,6	E2	5,6 / 5,6	4,7 – 7,2	For mild corrosion resistance and some lubrication during forming

Differential coatings

Designation	Nominal coating mass (g/m ²) ¹⁾	Standard marking
D2/1	5,6 / 2,8	12,5 mm equidistant
D3/1	8,4 / 2,8	25,0 mm equidistant
D4/1	11,2 / 2,8	37,5 mm equidistant

Please note: ¹⁾For visual identification, differentially coated tinplate is marked with lines a few millimetres wide on the side with the heavier coating.

Qualities

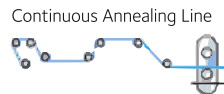
Please note the following:

The slab/input width to produce coil differs from the final coil width.

ArcelorMittal South Africa's tinplate coil range is available in the following qualities:

Specification ¹⁾	Annealing route	Available slab widths
TS 230 D - Valve Cups	Batch Annealed ²⁾	1000
TS 250 S	Batch Annealed ²⁾	960; 1000; 1100
TS 250 D	Batch Annealed ²⁾	960; 1000; 1100
TS 250 D - Oil Filters	Batch Annealed ²⁾	960; 1000; 1100
TS 275 S	Batch Annealed ²⁾	960; 1000; 1100
TS 275 D	Batch Annealed ²⁾	960; 1000; 1100
TH 280 - Aerosol Comp	Continuous Annealed ²⁾	1000
TH 425	Continuous Annealed ²⁾	960; 1000; 1100
TH 425 - SPT Info	Continuous Annealed ²⁾	960; 1000; 1100
TH 425 - EZO	Continuous Annealed ²⁾	960; 1000; 1100
TH 435	Continuous Annealed ²⁾	960; 1000; 1100
En102021 ³⁾	Batch Annealed ²⁾	1000 ; 1100
TS 240 - DWI – Beverage		
TH 280 - DWI – Beverage	Continuous Annealed ²⁾	1000
TH 280 - DWI Food	Continuous Annealed ²⁾	1000

Please note: As modified where applicable



Typical end uses

It is used widely in the packaging industry for foodcans, can ends, larger containers and a range of closures.

For more information on tin plate coil, please visit the datasheets online

(<https://flatsteel.arcelormittalsa.com/home.asp>)



