

CATALOGUE GENERAL
SOLUTIONS ACIER PLAT



MAGHREB STEEL 

www.maghrebsteel.ma

MAGHREB STEEL

Maghreb Steel is an industrial company specializing in the manufacture and marketing of flat steel. Since 1975, we have continued to develop and diversify our activities. Today, with a global production capacity of more than one million tons of steel, Maghreb Steel is also present on other continents, thanks to the quality of its products which meet international standards and requirements.

CERTIFICATIONS

Maghreb steel has an integrated management system (IMS) covering quality management, environmental protection as well as occupational health and safety.

All areas are checked regularly by means of internal and external audits. Maghreb steel is certified in many fields ISO 9001, ISO 14001, OHSAS 18001, CE.

A WIDE RANGE AT THE SERVICE OF INDUSTRY

Maghreb Steel offers a wide range of products to meet different needs:

 Hot rolled steel

 Cold rolled steel

 Quarto sheet

 hot-dip galvanized steel

 Preprinted steel

These products are mainly intended for construction Product, road equipment, agriculture, metallic furniture, home appliances and electrical equipment.

INTERNATIONAL MARKETS

Maghreb Steel exports its expertise in flat steel production to the four corners of the world, with an export turnover exceeding 30%.

PRODUCTION CAPACITY

Hot products Factory			
	steel mill	Heavy plate hot rolling mills	Hot coil rolling mills
Capacity	1,000,000 t	500,000 t	1,000,000 t

Cold products factory			
	Cold rolling mills	Galvanizing line	Coil coating line
Capacity	400,000 t	130,000 t	100,000 t

ROLLED STEEL HOT



MAGHREB STEEL offers a wide range of hot rolled products to guarantee optimal coverage of different needs.

These products comply with European norms and standards.



DELIVERY STATUS

Hot rolled products can be delivered:

-  In black or pickled state
-  In coil, sheet or strip
-  Oiled – unoiled
-  With raw rolled or sheared edges

FIELDS OF USE

Segment	Domain	Usage Type	Products
INDUSTRY	Gas bottles or gas cylinder	Butane, propane, industrial gas cylinders	STEEL FOR BOTTLES GAS WELDED
	Lighting	Masts	
	Boilers	Tank bottom Casks	
STEEL FOR PIPES	water pipes	Large tubes for transport, adduction	STEEL FOR FORMING AT COLD AND DRAWING
	Small welded tubes for light capital goods and construction finishing work	Precision thin tubes and standard tubes for furniture, bedding, shelving, radiator, toy, scaffolding Standard tubes for metalwork and locksmithing	
	Small welded tubes for structures of buildings	Hot or cold hollow sections for carpentry metal, structural elements, works of art	
	Small welded tubes for rolling stock	Thin and precision tubes for reinforcement, parts structure, seats, rods, exhaust lines	
	Small welded tubes for mechanics	Hollow sections for cylinders, axles, metal parts	
HOME APPLIANCE	Cold	Compressors	STEEL FOR RE-ROLL
BUILDING	Construction	Cladding	
		roof	STEEL CONSTRUCTION

ROLLED STEEL HOT

STEELS FOR WELDED GAS CYLINDERS

Dimensions		*NGK			
Thickness (mm)	Min width (mm)	Max width (mm)			
		P245NB	P265NB	P310NB	P355NB
2.00 - 3.99	900	1,150			
4.00 - 4.50		1,540			
4.00 - 5.00		1,575*			

Mechanical characteristics					
Shade	Thickness (mm)	Re (Mpa)	Rm (Mpa)	A80 (%)	A5.65yS0 (%)
P245NB	2.00 - 2.99	y 245	360 - 450	y 26	
	3.00 - 5.00				y 34
P265NB	2.00 - 2.99	y 265	410 - 500	y 24	
	3.00 - 5.00				y 32
P310NB	2.00 - 2.99	y 310	460 - 550	y 21	
	3.00 - 5.00				y 28
P355NB	2.00 - 2.99	y 355	510 - 620	y 19	
	3.00 - 5.00				y 24

STRUCTURAL STEEL

Dimensions		* = grad S185 and S253JR in BACR product			
Thickness (mm)	Min width (mm)	Max width (mm)			
		S185	S235JR	S275JR	S355JR
0.70 - 1.50*		1000-1270			
1.50 - 1.79*					
1.80 - 1.99	900	1000-1270		1100-1270	
2.00 - 2.74					
2.75 - 3.99		1000-1500		1000-1270	
4.00 - 20.00		1000-1540			

ROLLED STEEL HOT

Mechanical characteristics according to EN 10025-2

Shade	Minimum yield strength ReH (N/mm²) (1)			Tensile strength Rm (N/mm²) (1)									Temp °C	Test of exion by shock (d) min
	Minimum elongation A% min													
	16	16	40											
	16	16	40	40	40	40	40	40	40	40	40	40	40	40
	16	16	40	40	40	40	40	40	40	40	40	40	40	40
	16	16	40	40	40	40	40	40	40	40	40	40	40	40
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	16	16	40	40	40	40	40	40	40	40	40	40	40	40
	16	16	40	40	40	40	40	40	40	40	40	40	40	40
	16	16	40	40	40	40	40	40	40	40	40	40	40	40
	16	16	40	40										

STEELS FOR COLD FORMING AND DRAWING

Dimensions

* Keep DD11 and DD13 Product BACR

Thickness (mm)	Min width (mm)	Max width (mm)		
		DC 11	DC 12	DC 13
0.7 - 1.5*	900	1270		
1.50 - 1.69*				
1.7-1.99				
2 - 3.99				
4.00 - 11.00		1540		

ROLLED STEEL HOT

Mechanical characteristics according to EN 10111

Value in bold : stricter than standard

Designation	Thickness (mm)	Re (MPa)	Rm (MPa)	A80 (%)	A 5.65	γSo (%)	CM Guarantees (Month)
DD11 EN 10111 DD11 CL1 MS	1 - 1.5	170 - 360	< 440	22	-	γ 6 weeks	
	1 - 2			γ 23			
	2 - 3	170 - 340		γ 24			γ 28
	3 - 11			-			
DD12 EN 10111	1 - 1.5	170 - 340	< 420	24	-	< 6	
	1 - 2	170 - 320		γ 25			
	2 - 3			γ 26	γ 30		
	3 - 8			-	-		
	8-11			-	-		
DD12 CL1 MS	1 - 1.5	200 - 340	290 - 420	24	-	< 6	
	1 - 2			γ 25			
	2 - 3	200 - 320		γ 26			γ 30
	3 - 11			-			
DD13 EN 10111	1 - 1.5	170 - 330	< 400	24	-	< 6	
	1 - 2			γ 28			
	2 - 3	170 - 310		γ 29			γ 33
	3 - 11			-			
	DD13 CL1 MS	1 - 1.5		200 - 330	300 - 400		27
1 - 2		γ 28					
2 - 3		200 - 310	γ 29	γ 33			
3 - 11			-				
DD14 CL1 MS	1.5 - 2	170 - 310	380	30	-	< 6	
	2 - 3			31			
	3 - 12	170 - 290		23			36

STEEL FOR RE-ROLLING

Dimensions

(*) en produit BACR

Thickness (mm)	Min width (mm)	Max width (mm)		
		SAE 1010	SAE 1008	SAE 1006
1.50 - 1.69*	900	1270		
1.7 - 1.99		1270		
2 - 3.99		1270		1500
4.00 - 4.5		1540		

ROLLED STEEL COLD



MAGHREB STEEL offers several grades of cold rolled steel for forming and stamping.

These steels have specific properties that allow excellent weldability, and forming ranging from simple profiling to deep drawing.

On the Product sheet, below, you will find information on the properties, use, dimensions, mechanical characteristics and chemical composition of each steel grade



DELIVERY STATUS

Cold rolled products can be delivered:

-  Skin passed or not
-  Oiled or unoiled
-  In coil, sheet or strip
-  With raw or sheared edges

FIELDS OF USE

Segment	Domain	Usage Type	Products
INDUSTRY	Boilers	Trim shells Dressing funds	STEEL FOR FORMING AT COLD AND DRAWING
	Casks	Funds Ferrules	
	Automotive		
	Small welded tubes for light capital goods and construction finishing work	Precision thin tubes and tubing standard for furniture, bedding, shelving, radiator, toy, scaffolding Standard tubes for metalwork and locksmithing	
STEEL FOR PIPES	Small welded tubes for rolling stock	Thin and precision tubes for reinforcement, structural parts, seats, rods, exhaust lines	
	Public works equipment	Trim parts and parts low demand	
CONSTRUCTION MECHANICAL	Agricultural material	Trim parts	

COLD ROLLED STEEL

STEEL FOR COLD FORMING AND DRAWING

Equivalence of standards

Standards	EN 10130	DIN 1623	JIS G3141	ASTM
Designation	DC 01	ST 12	SPCC	Has 366 QC
	DC 03	ST 13	SPCD	A 619 QD
	DC 04	ST 14	SPCE	A 620 DQSK
	DC 05	ST 15	-	-

Dimensions

Thickness (mm)	Min width (mm)	Max width (mm)			
		DC 01	DC 03	DC 04	DC 05
0.18 - 2.00	600	1,300			

Chemical compositions according to EN 10130

Standards	γ C (%)	γ Mn (%)	γ P (%)	γ S (%)	γ If (%)	γ Al (%)	Galvanization
DC 01	0.12	0.60	0.045	0.045	0.03	0.02	Class 1
DC 03	0.10	0.45	0.035	0.035	0.03	0.02	Class 1
DC 04	0.08	0.40	0.030	0.030	0.03	0.02	Class 1
DC 05	0.06	0.35	0.025	0.025	0.03	0.02	Class 1

ROLLED STEEL COLD

Mechanical characteristics according to EN 10130

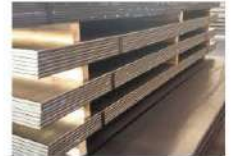
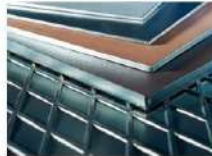
Shade	Thickness (mm)	Re (Mpa)	Rm (Mpa)	A80 (%)	R90	N90
DC 01	0.18 - 0.50	140 - 320	270 - 410	ȳ 24	-	-
	0.51 - 0.70	140 - 300		ȳ 26	-	-
	0.71 - 2.00	140 - 280		ȳ 28	-	-
DC 03	0.18 - 0.50	140 - 280	270 - 370	ȳ 30	-	-
	0.51 - 0.70	140 - 260		ȳ 32	1.3	-
	0.71 - 2.00	140 - 240		ȳ 34		
DC 04	0.18 - 0.50	140 - 250	270 - 350	ȳ 34	-	-
	0.51 - 0.70	140 - 230		ȳ 36	1.6	0.18
	0.71 - 2.00	140 - 210		ȳ 38		
DC 05	0.18 - 0.50	140 - 220	270 - 330	ȳ 36	-	-
	0.51 - 0.70	140 - 200	-	ȳ 38	1.9	0.20
	0.71 - 2.00	140 - 180		ȳ 40		

QUARTO SHEET



QUARTO plates are heavy structural steel plates used in the building and construction industry.

They are carbon and manganese steels characterized by a guaranteed minimum resistance value and very satisfactory resilience values.



DELIVERY STATUS

QUARTO products can be delivered:



With raw rolled or sheared edges

FIELDS OF USE

Segment	Usage Type	Products
INDUSTRY	Industrial chimneys, transport wagons, silos, containers, pylons and bridges	HEAVY PLATE
	shipbuilding	
	The manufacture of boilers, pressure or steam pipes, thermal appliances and heat recovery units	
BUILDING	Wind turbine pylons.	HEAVY PLATE
STEEL FOR PIPES	Bridges, pylons, and other architectural works	
	The production of tubes intended for the transport of fluids (water, oil) and gas.	

HOT ROLLED STRUCTURAL STEEL: QUARTO

Equivalence of standards

* to be agreed during the call for tenders

Standards	In 10025 /In 10027-1	In 10027-2	In 10025 (90)	Germany France	ASTM		JIS G 3101 JIS G 3106	KINGDOM UNI (BS 4360)
Designation Symbolic	S185	1.0035	Fe310-0	St. 33	A33			
	S235JR	1.0038	Fe 360BFN	RSt 37-2	E 24-2			40B
	S235J0	1.0114	Fe 360C	St 37-3 U	E 24-3			40C
	S235J2	1.0117	Fe 360D2	*				
	S275JR	1.0044	Fe 430B	St 44-2	E 28-2		SS400	43B
	S275J0	1.0143	Fe 430C	St 44-3U	E 28-3			43C
	S355JR	1.0045	Fe 510B	*	E 36-2 A 572 SS 490			50B
	S355J0	1.0553	Fe 510C	St 52-3U	E 36-3			50C
	S355J2	1.0577	Fe 510D2	*				
	S355K2	1.0596	Fe 510DD2	*				

Dimensions

Maximum workable length (m)

Thickness (mm)	Width (mm)											
	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600
5 - 7	12											
7 - 30	12											
30 - 35	12								10			
35 - 40												
40 - 45												
45 - 50												
55	20	6						20	6			
60	19							19				

QUARTO SHEET

Chemical analyzes according to EN 10025-2

* to be agreed during the call for tenders

Standards Products	Shade	% Max								
		VS		min	P	S	NOT	Cu Ceq	Galvanization	
IN 10025-2	S185	—	—	—	—	—	—	—	—	Nope
	S235JR	0.17	—	1.40	0.035	0.035	0.012	0.55	0.35	Class 1
	S235J0	0.17	—	1.40	0.030	0.030	0.012	0.55	0.35	Class 1
	S235J2	0.17	—	1.40	0.025	0.025	—	0.55	0.35	Class 1
	S275JR	0.21	—	1.50	0.035	0.035	0.012	0.55	0.40	Class 1
	S275J0	0.18	—	1.50	0.030	0.030	0.012	0.55	0.40	Class 1
	S275J2	0.18	—	1.50	0.025	0.025	—	0.55	0.40	Class 1
	S355JR	0.24	0.55	1.60	0.035	0.035	0.012	0.55	0.45	Nope*
	S355J0	0.20	0.55	1.60	0.030	0.030	0.012	0.55	0.45	Nope
	S355J2	0.20	0.55	1.60	0.025	0.025	—	0.55	0.45	Nope
	S355K2	0.20	0.55	1.60	0.025	0.025	—	0.55	0.45	Nope

Mechanical characteristics according to EN 10025-2

Shade	Elasticity limit minimum ReH (N/mm²) (1)			Tensile strength Rm (N/mm²) (1)		Elongation minimum A% min							Temp °C	Test of exion by shock (d) min		
	γ 16	16 < e γ 40	40 < e γ 60	< 3	3γ e γ60 γ 1	> 1 γ 1.5	>1.5 γ 2	> 2 γ 2.5	> 2.5 γ 3	L0=5.65 γ S0						
		3 < th γ 40	40 < th γ 60													
S185 185	175	175	310	540	290	510	8	9	10	11	12	16	15	-	-	
S235JR	235	225	215	360	510	360	510	15	16	17	18	19	24	23	20	27
S235J0															0	
S235J2															-20	
S275JR	275	265	255	430	580	410	560	13	14	15	16	17	21	20	20	27
S275J0															0	
S275J2															-20	
S355JR	355	345	335	510	680	470	630	12	13	14	15	16	20	19	20	27
S355J0															0	
S355J2															-20	
S355K2															-20	

GALVANIZED STEEL HOT



Continuously hot- dip **galvanized** steels are produced on continuous production lines. They have excellent corrosion resistance and very good formability.

The metallic coating process (Zn) is available in a very wide range of steel qualities, it makes it possible to deposit zinc thicknesses which can reach 450 g/m² (total) on both sides.



DELIVERY STATUS

Hot-dip galvanized products can be delivered:

-  In coil, or sheet
-  Oiled or unoiled
-  With or without protective film
-  With or without passivation

FIELDS OF USE

Segment	Domain	Usage Type	Products
LITTLE HOME APPLIANCE	Cooking	microwave oven hood	STEEL FOR FORMING AT COLD AND DRAWING
		Back panel	
		door, storm door	
		Body parts	
		Body parts	
	Washing	Drum	
		Basement	
		Back panel	
		Body parts	
		Structural parts	
BUILDING	Cold	Sentry boxes, doors, panels	STEEL CONSTRUCTION
		Back panel	
		Compressor bracket	
	Building envelopes	Wide profiles	
		Facade panels	
		Roofs	
		Roof tiles	
		Gutter body and accessories	
	Gutters	Garage door	
		Entrance door, interior door	
		Roller shutters	
	Roller shutters	Panels and partitions	
		Purlins and stringers	
		Purlins and stringers	
	Panels and partitions	lintels	
		Ceiling	
		Large seamless industrial silos	
	Purlins and stringers	farm silos	

HOT DIP GALVANIZED STEEL

Equivalence of standards

Standards	EN 10346	DIN 17162/1	JIS3302	ASTM
Steels for Cold Forming and Stamping	DX51D+Z	St 01Z / St 02Z	SGCC	A 653 QC
	DX52D+Z	St 03Z	SG CD 1	A 653 LFQ
	DX53D+Z	St 04Z / St 05Z	SG CD 2	A 653 LFQ
	DX54D+Z	St 06(FEP 06G)Z	-	-
Steels of Construction	S220GD+Z	StE 220-2Z	-	-
	S250GD+Z	StE 250-2Z	SGC340	SS-255
	S280GD+Z	StE 280-2Z	SGC400	SS-275
	S320GD+Z	StE 320-2Z	SGC440	-
	S350GD+Z	StE 350-2Z	SGC490	SS-340

Dimensions

Thickness (mm)	Min width (mm)	Max width (mm)
		DX51D+Z, DX52D+Z, DX53D+Z, DX54D+Z
		S220GD+Z, S250GD+Z, S280GD+Z, S320GD+Z, S350GD+Z
0.20 - 1.00	600	1,250
1.00 - 2.79		1,500
2.80 - 3.00		1,250

Chemical analyzes according to EN 10346

Shade	γ C (%)	γ Mn (%)	γ P (%)	γ S (%)	γ If (%)	γ Ti (%)
DX51D +Z	0.18	1.2	0.12	0.045	0.5	0.3
DX52D +Z	0.12	0.6	0.10	0.045	0.5	0.3
DX53D +Z	0.12	0.6	0.10	0.045	0.5	0.3
DX54D +Z	0.12	0.6	0.10	0.045	0.5	0.3
S220GD+Z	0.2	1.7	0.1	0.045	0.6	-
S250GD+Z	0.2	1.7	0.1	0.045	0.6	-
S280GD+Z	0.2	1.7	0.1	0.045	0.6	-
S320GD+Z	0.2	1.7	0.1	0.045	0.6	-
S350GD+Z	0.2	1.7	0.1	0.045	0.6	-

HOT DIP GALVANIZED STEEL

Mechanical characteristics according to EN 10346

shades	Thickness (mm)	Re (Mpa)	Rm (Mpa)	A80 (%)
DX51D +Z	0.20 - 0.50	ÿ 140	270 - 500	ÿ 18
	0.51 - 0.70			ÿ 20
	0.71 - 3.00			ÿ 22
DX52D +Z	0.20 - 0.50	140 to 300	270 to 420	ÿ 22
	0.51 - 0.70			ÿ 24
	0.71 - 3.00			ÿ 26
DX53D +Z	0.20 - 0.50	140 to 260	270 to 380	ÿ 26
	0.51 - 0.70			ÿ 28
	0.71 - 3.00			ÿ 30
DX54D +Z	0.20 - 0.50	120 to 220	260 to 350	ÿ 32
	0.51 - 0.70			ÿ 34
	0.71 - 3.00			ÿ 36
S220GD+Z	0.20 - 0.50	ÿ 220	300 to 440	ÿ 16
	0.51 - 0.70			ÿ 18
	0.71 - 3.00			ÿ 20
S250GD+Z	0.20 - 0.50	ÿ 250	330 to 470	ÿ 15
	0.51 - 0.70			ÿ 17
	0.71 - 3.00			ÿ 19
S280GD+Z	0.20 - 0.50	ÿ 280	360 to 500	ÿ 14
	0.51 - 0.70			ÿ 16
	0.71 - 3.00			ÿ 18
S320GD+Z	0.20 - 0.50	ÿ 320	390 to 530	ÿ 13
	0.51 - 0.70			ÿ 15
	0.71 - 3.00			ÿ 17
S350GD+Z	0.20 - 0.50	ÿ 350	420 to 560	ÿ 12
	0.51 - 0.70			ÿ 14
	0.71 - 3.00			ÿ 16

PRE-PAINTED STEEL



Organic coated steels manufactured and marketed by **Maghreb Steel** are subject to:

-  A hot coating of a layer of zinc
-  Surface preparation
-  A deposit of liquid organic matter
-  Then baked by passing through an oven

This organic coating is suitable for all atmospheres depending on the type of coating chosen. It gives an aesthetic appearance to the sheet metal and provides additional protection against corrosion.



DELIVERY STATUS

Prepainted products can be delivered:

-  Smooth or textured
-  With or without protective film
-  In coil, sheet

FIELDS OF USE

Segment	Domain	Usage Type	Products
SMALL APPLIANCE	Cooking	Mini oven cavity Cooktop Control panel	PRE-PAINTED STEEL
	Small appliance	Television, video, hi-fi, etc.	
BUILDING	building envelope	Wide profiles Facade panels Roofs Roof tiles	
	Gutters	Gutter body and accessories	
	Doors	Garage door Entrance door, interior door	
	Roller shutters	Roller shutters	
	Panels and partitions	Panels and partitions	
	Purlins and stringers	Purlins and stringers	
	Ceiling	Ceiling Stages and subwoofers	
	Lighting	Rulers Casing, grid Ballasts	
	Elevators	Interior panels	
	Cold rooms	Composite panels	
	Railway	Secondary structures	
	Heavy rolling stock	Bodywork for semi-trailers	
MECHANICAL CONSTRUCTION	swimming pools	Inground pools Above ground pools	
INDUSTRY	Boilers	Trim shells Displays	
	Metal furniture	Metal furniture	

PRE-PAINTED STEEL

The different types of organic coating

-  **POLYESTER** : is a finish mainly intended for siding and roofing. It has excellent flexibility as well as resistance to Ultra Violets.
-  **PLASTISOL** : is a versatile finish composed of PVC and plasticizers especially for excellent fire resistance. It has very good resistance outdoors in industrial or marine atmospheres as well as excellent flexibility in application from 100 to 200 smooth microns. In addition, it allows forming at a temperature below 15°C.
-  **POLYESTER HD / THD** : is a new generation polyester lacquer applied to a thick. It is a high and very high durability finish, particularly recommended for installations by the sea and in aggressive atmospheres. It has better UV resistance.
-  **PVDF** : is a fluorinated thermoplastic resin with very good resistance to chemical agents and Ultra Violets recommended for prestigious buildings.
-  **BECKRYDURO** : is a polyurethane/polyamide finish applicable at a high thickness of 50µm, an alternative to plastisols, it has extreme resistance to corrosion, UV and chemical attack.

Equivalence of standards

Standards	In 10346	DIN 17162/1	JIS3302	ASTM
Steels for Cold Forming and Stamping	DX51D+Z	St 01Z / St 02Z	SGCC	A 653 QC
	DX52D+Z	St 03Z	SG CD 1	A 653 LFQ
	DX53D+Z	St 04Z / St 05Z	SG CD 2	A 653 LFQ
	DX54D+Z	St 06(FEP 06G)Z	-	-
Steels of Construction	S220GD+Z	StE 220-2Z	-	-
	S250GD+Z	StE 250-2Z	SGC340	SS-255
	S280GD+Z	StE 280-2Z	SGC400	SS-275
	S320GD+Z	StE 320-2Z	SGC440	-
	S350GD+Z	StE 350-2Z	SGC490	SS-340

PRE-PAINTED STEEL

Cold Forming and
Stamping

DX51D+Z
DX52D+Z
DX53D+Z

St 017 / St 02Z
St 03Z
St 04Z / St 05Z

SGCC
SG CD 1
SG CD 2

A 653 QC
A 653 LFQ
A 653 LFQ

Dimensions

Thickness (mm)	Min width (mm)	Max width (mm)
		DX51D+Z, DX52D+Z, DX53D+Z, DX54D+Z
		S220GD+Z, S250GD+Z, S280GD+Z, S320GD+Z, S350GD+Z
0.20 - 1.00	600	1,250
1.00 - 2.79		1,500
2.80 - 3.00		1,250

Chemical analyzes according to EN 10346

Shade	γ C (%)	γ Mn (%)	γ P (%)	γ S (%)	γ If (%)	γ Ti (%)
DX51D +Z	0.18	1.2	0.12	0.045	0.5	0.3
DX52D +Z	0.12	0.6	0.10	0.045	0.5	0.3
DX53D +Z	0.12	0.6	0.10	0.045	0.5	0.3
DX54D +Z	0.12	0.6	0.10	0.045	0.5	0.3
S220GD+Z	0.2	1.7	0.1	0.045	0.6	-
S250GD+Z	0.2	1.7	0.1	0.045	0.6	-
S280GD+Z	0.2	1.7	0.1	0.045	0.6	-
S320GD+Z	0.2	1.7	0.1	0.045	0.6	-
S350GD+Z	0.2	1.7	0.1	0.045	0.6	-

PRE-PAINTED STEEL

Mechanical characteristics according to EN 10346

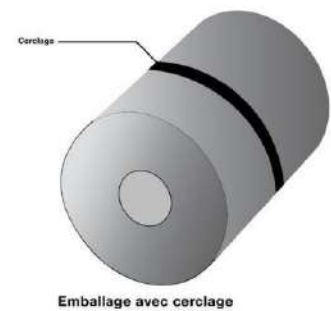
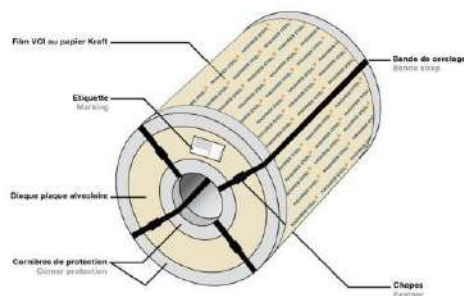
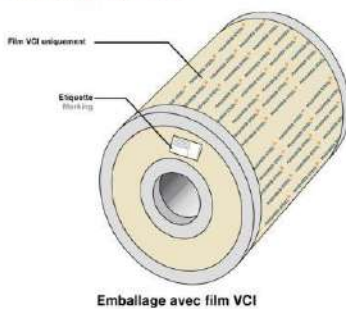
Shade	Thickness (mm)	Re (Mpa)	Rm (Mpa)	A80 (%)
DX51D +Z	0.20 - 0.50	ÿ 140	270 - 500	ÿ 18
	0.51 - 0.70			ÿ 20
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	0.71 - 3.00			ÿ 26
DX53D +Z	0.20 - 0.50	140 to 260	270 to 380	ÿ 26
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	0.71 - 3.00			ÿ 30
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	0.51 - 0.70			ÿ 15
	0.71 - 3.00			ÿ 17
S350GD+Z	0.20 - 0.50	ÿ 350	420 to 560	ÿ 12
	0.51 - 0.70			ÿ 14
	0.71 - 3.00			ÿ 16

MAGHREB STEEL PRODUCT PACKAGING

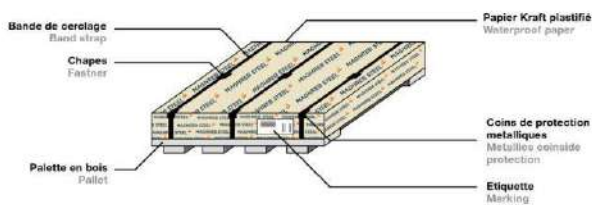
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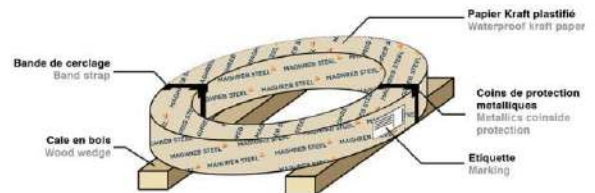
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Leaves



straps

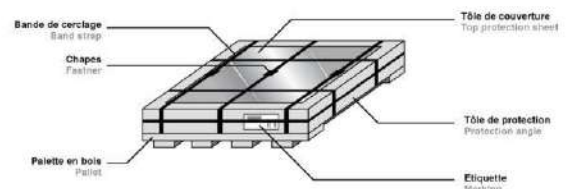


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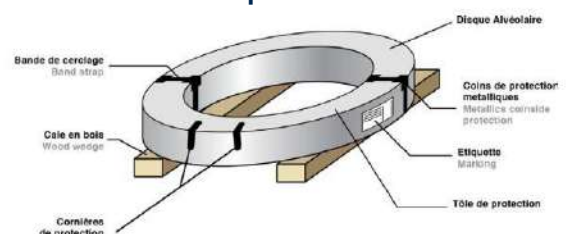
Coils



Leaves



straps



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