



PRODUCT CATALOGUE

GALACOLOR

STEEL FOR BUILDING FUTURE

Our company, belonging to CL Grupo Industrial Steel Division, produces 3 types of flat products: pickled and oiled, cold rolled, and galvanized.



GALVACOLOR

With an installed capacity of 400.000 t/year, at Galvacolor we can produce pickled and oiled: 100.000 t/year, cold rolled: 100.000 t/year and 200.000 t/year of galvanized. The raw material used is black coils delivered by rail and truck to be transformed at the plant. Currently, it is one of the most modern flat steel plants with the most advanced systems that ensure the production of the highest quality material.

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HOT ROLLED

Flat product Black or Pickled and Oiled.

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COLD ROLLED

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GALVANIZED

Flat product Galvanized by continuously immersion in a zinc bath.

HOT ROLLED

Flat product Black or Pickled and Oiled.



Dimension tolerances

Normal dimensional tolerance ranges are guaranteed in accordance with EN 10151.

Chemical composition

The chemical composition conforms to the product grade reference standards and if specified by the customer, it may be guaranteed for suitability for galvanising (category A, B, or D) or welding.

Supply conditions

If specified by the customer, the skin-pass operation may be performed for products up to 3 mm thick.



Surface protection

To ensure surface protection against oxidation at pickled and oiled, a layer of protective oil is applied. In cases of supply without oil, there is no guarantee against oxidation.

Product weights

Maximum weight: 26 t

Internal diameter pickled and oiled: 610 mm

Internal diameter black: 760 or 610 mm

Maximum external diameter: 2.000 mm



Mechanical characteristics and dimensions for coil supply

Grade	ReL (MPa)	Rm (MPa)	A80 min (%)					Thickness (mm)	Width (mm)
			Thickness (mm)						
			≤1,5	>1,5 ≤2	>2 ≤2,5	>2,5 <3	≥3 (L0=5,65 √S0)		
Low carbon forming steel (EN 10111)									
DD11	t < 2 mm 170 - 360	440 máx.	22	23	24	28	1,4 - 6,0	800 - 1550	
	t ≥ 2 mm 170 - 340								
Structural steel (EN 10025-2)									
S235JR	235 min	360 - 510	18	19	20	21	26	1,4 - 6,0	
S275JR	275 min	t < 3 430 - 580	16	17	18	19	23	800 - 1550	
		t ≥ 3 410 - 560							
S355JR	355 min	t < 3 510 - 680 t ≥ 3 470 - 630	15	16	17	18	22	2,0 - 6,0	
High yield strength steels (EN 10149-2)									
S315 MC	315 min	390 - 510	20			24	2,0 - 6,0	800 - 1550	
S355 MC	355 min	430 - 550	19			23			

COLD ROLLED

Flat product in cold Rolled material with batch annealing.



Mechanical characteristics and dimensions for coil supply

Mechanical characteristics in accordance with EN10130

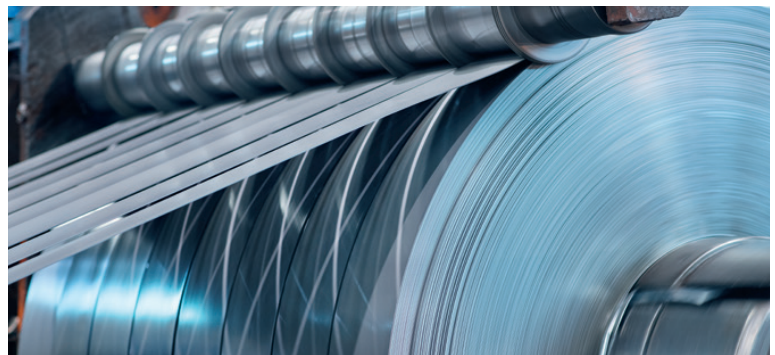
Grade	Re máx. (MPa)	Rm (MPa)	A80 min (%)	r90 min	n90 min	Thickness (mm)	Width (mm)
Low carbon forming steel (EN 10130)							
DC01	280	270 - 410	28	-	-	0,40 - 3,00	800 - 1550
DC03	240	270 - 370	34	1,3	-		
DC04	210	270 - 350	38	1,6	0,180		

Dimension tolerances

Normal dimensional tolerance ranges are guaranteed in accordance with EN 10131.

Surface appearance

Surface quality type "A" in accordance with standard EN 10130.





Surface finishes

It conforms to standard EN 10130 in relation to the following surface finish conditions.

Surface finishes		Roughness (max.: 0,80 mm)
Normal	m	$0,6 \mu\text{m} < \text{Ra} \leq 1,9 \mu\text{m}$
Semi-bright	g	$\text{Ra} \leq 0,9 \mu\text{m}$

Surface protection

To ensure surface protection against oxidation, a layer of protective oil is applied. In cases of supply without oil, there is no guarantee against oxidation.

Product weights

Maximum weight; 26 t
 Internal diameter: 610 mm
 Maximum external diameter: 2.000 mm

GALVANIZED

Flat product galvanized by continuously immersion in a zinc bath.



Mechanical characteristics and dimensions for coil supply

Mechanical characteristics in accordance with EN10346.

Grade	Re max. (MPa)	Rm (MPa)	A80 min (%)	Thickness (mm)	Width (mm)
Low carbon forming steel					
DX51D	-	270 - 500	22	0,40 - 2,00	800 - 1550
DX52D	140 - 300	270 - 420	26	2,01 - 2,50	800 - 1300
DX53D	140 - 260	270 - 380	30	2,51 - 3,00	800 - 1000
Structural steel					
S220GD	220 min	300 min	20	0,40 - 2,00	800 - 1550
S250GD	250 min	330 min	19	2,01 - 2,50	800 - 1300
S280GD	280 min	360 min	18	2,51 - 3,00	800 - 1000
S320GD	320 min	390 min	17	0,40 - 0,60	800 - 1300
S350GD	350 min	420 min	16	0,61 - 2,00	800 - 1300
				2,01 - 3,00	800 - 1000

Dimension tolerances

Normal dimensional tolerance ranges are guaranteed in accordance with EN 10143.



Surface finishes

It conforms to standard EN 10346 in relation to the following surface finish conditions:

Designation EN 10346		Characteristics
Types of finishes	Minimum star rating (M)	Star rating resulting from adequate control of the solidification
Types of surfaces	Ordinary finish (A)	Surface obtained directly after the immersion process
	Improved finish (B)	Surface obtained by skin-pass

Types of coating

Type of coating	Total minimum coating on both sides (g/m ²)	
	Triple sample testing	Single sample testing
In accordance with EN 10346		
Z100	100	85
Z140	140	120
Z200	200	170
Z225	225	195
Z275	275	235
Z350 (*)	350	300
Other possible coatings		
Z120	120	102
Z150	150	128
Z180	180	153
Z250	250	213

(*) Available only for $W \leq 1250$ mm and $t \leq 1$ mm

GALVANIZED

Flat product galvanized by continuously immersion in a zinc bath.

Surface protection

Trivalent chrome chemical treatment surface protection is applied (colourless appearance). Oil may also be applied.

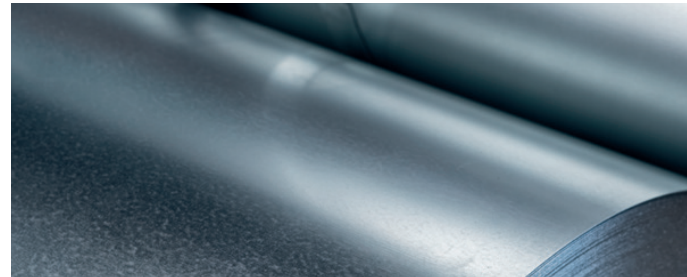
Surface roughness protection (max.: 0.80 mm)	
Chemical passivation (trivalent chromium)	C
Oiled	O
Chemical passivation and oiled	CO

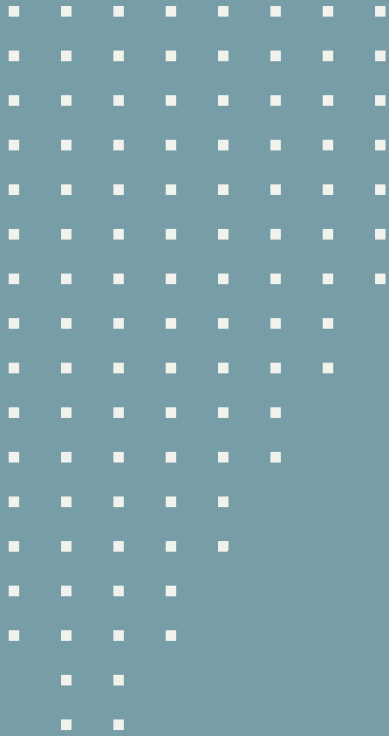
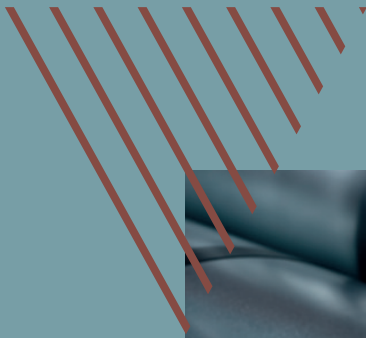
Product weights

Maximum weight; 25 t

Internal diameter: 610 mm

Maximum external diameter: 2.000 mm

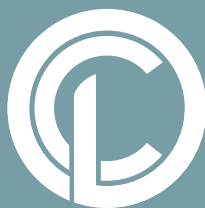




GALVACOLOR

STEEL FOR BUILDING FUTURE

GROUP COMPANIES



**GRUPO
INDUSTRIAL**

We are an industry with soul