

Hot Dip Zinc Galvanized Material



LIBERTY Galați
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Liberty Galați is the largest integrated steel plant in Romania located in the south-eastern part of the country and one of the European leading manufacturers of metallurgical products. The production facility is fully integrated starting from raw

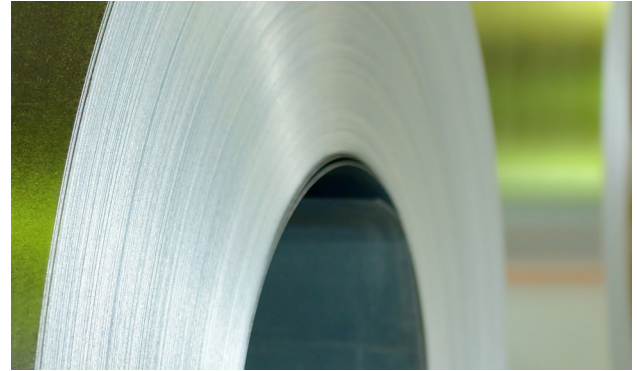
materials, sintering, blast furnace, steel shop, heavy plate mills, hot strip mill, cold rolling complex, galvanizing & organic coating lines. The Hot Dip Galvanized material produced by Galați plant meets the increasing quality demands addressing the customer's needs.

Hot Dip Zinc Coated Coil Liberty Galați

Applications

Product widely used for:

- Construction
- Appliances
- Organic Coating



Recommendation

The coils, sheets or blanks must be stored in clean, heated premises, which must be at least sufficiently ventilated to prevent moisture accumulation by capillarity (between sheets or coil laps), which would lead to corrosion, preferably with its packing, not more than 3 months. Moreover, the storage temperature should be as constant as possible to avoid condensation. If storage at a low temperature cannot be avoided, the products must be warmed at about 20°C for 24 hours prior to processing.

We recommend material to be ordered with surface protection, avoiding rust formation. For material without surface protection the supplier cannot guarantee rust formation during transport / storage on client premises.

Equipment for handling coils should have a protective coating, e.g. sheathed non-metallic slings, and grips or C-hooks with a rubber or synthetic coating, and must be used with great care to avoid any hard impact that could mark the product.



Production Range

Technical Delivery Conditions

- Chemical properties on ladle heat analysis as per ordered standard.
- Mechanical properties according to ordered standards.
- Type of coating: hot-dip zinc coating (Z), minimized spangle (M), surface quality A
- Sizes and tolerances according to: EN10143
- Trimmed edges before galvanized
- Chemical passivated (C)
- Oiled (O)

Dimensional capability

- Coil Weight: 3.0 – 16.0 tons
- Inner Coil Diameter: 508 / 610 mm
- Outside Coil Diameter: 1500 mm
- Delivery in sheets: max. 5.0 tons
- Delivery in slit coils max 7.0 tons per bundle

Packing

- C16** - domestic - VCI paper and Metallic edge protection + metallic straps; 2 CS + 3 RS
- CL6** - C16 With wooden cradle
- C24** - seaworthy export - Hardboard + VCI paper and Metallic edge protection + metallic straps ; 2 CS + 3 RS
- CM4** - C24 with wooden cradle
- C26** - seaworthy export special - Metallic box + VCI paper and Metallic edge protection + metallic straps; 2 CS + 3 RS
- CM6** - C26 with wooden cradle
- CS** - Circumferential strap
- RS** - Radial strap

Quality Certificates

Mill's quality certificates shall be according to the material standards. Certificate type 2.2; 3.1; 3.2 according to EN 10204/2004.

Marking

Adhesive label, indicating: Made in Romania, Liberty logo, number of contract, size, quality standard (steel grade), coil number and heat number.

Surface Protection

The surface of the hot dip galvanized sheet is generally supplied as passivated and / or oiled in order to protect the material against white rust formation, corrosion and fine scratches due to relative movement during transportation and storage.



Grades and standards

Low Carbon Steels for Cold Forming

Standard	Steel Grade	Main advantages
EN 10346	DX51D	Versatile solution

DX51D

Thickness [mm]	Width [mm]											Zinc coating mass on both surfaces [g/m ²]					
	850	900	1000	1150	1200	1250	1280	1300	1350	1400	1450	1500	Z100	Z140	Z200	Z225	Z275
0.27-0.31	Standard feasibility range	Prior acceptance by the mill is mandatory															
0.32-0.59																	
0.60-0.69																	
0.70-0.79																	
0.80-1.00																	
1.01-1.49																	
1.50-2.50																	

Standard feasibility range

Prior acceptance by the mill is mandatory

Steel for Construction

Standard	Steel Grade	Main advantages
EN 10346	S220GD; S250GD; S280GD; S320GD	Solution of choice for construction segment, good forming characteristics

S220GD; S250GD

Thickness [mm]	Width [mm]											Zinc coating mass on both surfaces [g/m ²]					
	850	900	1000	1150	1200	1250	1280	1300	1350	1400	1450	1500	Z100	Z140	Z200	Z225	Z275
0.30-0.34	Standard feasibility range	Prior acceptance by the mill is mandatory															
0.35-0.59																	
0.60-0.69																	
0.70-0.79																	
0.80-1.00																	
1.01-1.50																	
1.51-2.50																	

Standard feasibility range

Prior acceptance by the mill is mandatory

Grades and standards continued...

S280GD, S320GD

Thickness [mm]	Width [mm]												Zinc coating mass on both surfaces [g/m ²]				
	850	900	1000	1150	1200	1250	1280	1300	1350	1400	1450	1500	Z100	Z140	Z200	Z225	Z275
0.30-0.34	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
0.35-0.59	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
0.60-0.69	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
0.70-0.79	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
0.80-1.00	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
1.01-1.50	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
1.51-2.50	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard

Standard feasibility range

Prior acceptance by the mill is mandatory

Delivery in sheets: max. 5.0 tons per bundle

Thickness [mm]	Width [mm]												Sheets Length [mm]	
	850	900	1000	1150	1200	1250	1280	1300	1350	1400	1450	1500	min	max
0.27-0.31	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	1000	4500
0.32-0.59	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	1000	4500
0.60-0.69	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	1000	4500
0.70-1.00	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	1000	4500
1.01-1.49	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	1000	4500
1.50-2.50	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	1000	4500

Delivery in slit coils: max. 7.0 tons per bundle

Thickness [mm]	Width [mm]			
	80	100	200	735
0.39-0.79	Standard	Standard	Standard	Standard
0.80-2.50	Standard	Standard	Standard	Standard

Ongoing projects for new feasibilities

Number	Project	Product Type	Range [mm]
1	DX52D	Drawing Applications	0.50-2.50
2	DX53D	Deep Drawing Applications	0.80-1.50
3	S350GD	Structural Applications	0.50-2.50

Contact with the mill

Europe

Liberty Galati SA

Calea Smîrdan Nb 1, 800698;

Bucharest

Ethos House – 212 / 214,
Gheorghe Titeica Ethos House,
District 2, 020305

E: mariansorin.bogdan@libertysteelgroup.com

E: ana.vastardis@libertysteelgroup.com

E: alexandru.prunes@libertysteel.com

T: +40 374 487 723

T: +40 730 014 299

North Macedonia (Balkans Agency)

Liberty Skopje

16 Makedonska Brigada 18,
1000 Skopje – Macedonia

E: BalkanSales.Skopje@libertysteelgroup.com

E: contact.skopje@libertysteelgroup.com

T: +38 923 247 305

T: +38 923 247 312

Turkey

Korukent Sitesi

E-1 Blok K:2 D:12
Levent, Istanbul 34340,
Turkey

E: sales.tr@libertysteelgroup.com

T: +90 212 275 40 95

Greece & Cyprus

Voulis 18, Syntagma, Greece

E: Petros.Korkovylos@libertysteelgroup.com

T: +30 216 070 7796

M: +30 695 777 5160

Customer Technical Support

E: viorel.teodoru@libertysteelgroup.com

M: +40 731 960 092

E: gabriel.jirca@libertysteelgroup.com

M: +40 751 202 068

E: cristian.dragu@libertysteelgroup.com

M: +40 733 080 156

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