

GI/GL/GF

- GI--Zinc Coated Steel
- GL--55% Al-Zn Coated Steel
- GF--5% Al-Zn Coated Steel

Hot-Dip Galvanized Steel (GI: Zinc Coated Steel)

Aluminum-plates the zinc base alloy steel plate



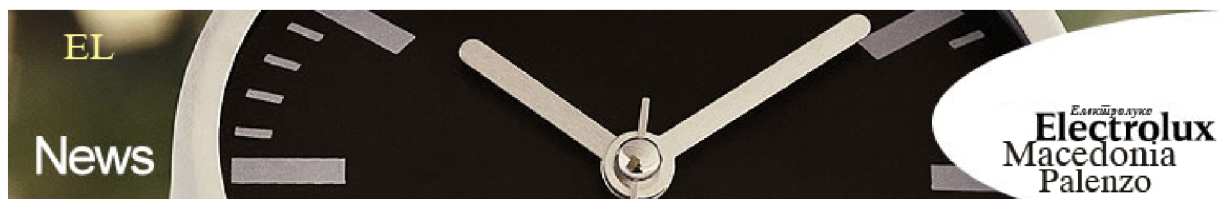
"HOT DIP GALVANIZED (ZINC COATED) STEEL, GALVALUME AND GALFAN " have been the "ALL PURPOSE " product providing good performance and weathering resistance and service life in applications where protection against corrosion of the steel base has been an important requirement.

Hot-dipped Al-zinc steel in 55% aluminum appears no rust after 20 years application. Steel sheet only with zinc coating or 4% aluminum galvanization appears rust after about 10 years. Steel sheet with 7% aluminum galvanization appears rust after 9 years.

Measured result of weight loss owing to corrosion shows the fact that steel sheet with 55% aluminum galvanized can be free from rust for minimum 50 years.

Its base material is aluminum galvanized steel with 55% aluminum. Duration free from rust can last at least 50 years.

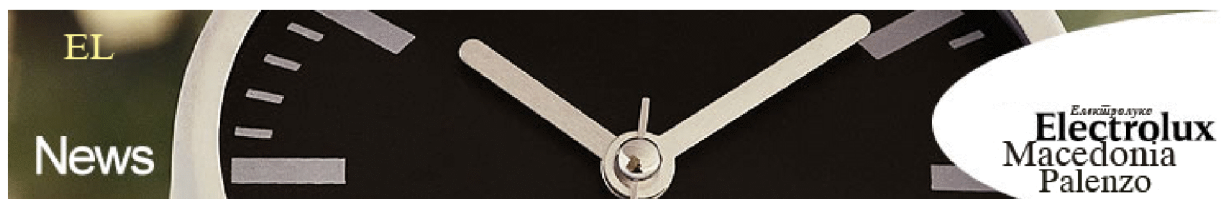
Material	SPCC for normal building and mechanical clutch	
	SPCD for deep-drawing	
	SPCE for ultra-deep drawing	
Applications	Buildings and Construction	Floor Decks, Ceilings, Duct Work, Roofing, Siding, Sashes, Beams, Fences, Verandas, Shutters, Awnings, Partitions, Indoor Decorations, Pipes, Ventilators, Sheds, Culverts.
	Transportation	Body Pane, Air Cleaners, Oil Filters, Fuel Tanks, Containers, Highway Barriers.
	Appliances	Light Fittings, Washing Machines, Dryers, Coolers, Vending Machines, Water Heaters,



		Stoves, Refrigerators, Freezers, Tool Boxes.
	Agriculture	Barns, Dryer Panels, Animal Houses, Hoppers. Bar Supporters, Irrigation Systems, Green houses.
	Others	Furniture and Office Equipment, Entertainment Machines, Car Ports, Garden and Storage Sheds.

Hot-Dip Galvanized Steel Coils (Zinc Coated)

Specifications		JIS G3302 1998				ASTM A653M / A924M 1998				
		SGCC	SGCH	SGCD	SGCD	SGH	CS	SS	SS	DDS
		SGC		1	3	C	Typ	Grad	Grad	EDD
		340		SGCD		SGH	e	e	e	S
		400		2		340	A	230	550	
		490				400	B	255		
570				490	C	275				
						490	FS	340		
							Typ			
							e			
							A			
							B			
Thickness of Base Steel (mm)		0.15 / 2.00	0.15 / 1.00	0.40 / 1.60	0.60 / 1.60	1.20 / 4.50	0.15 / 4.50	0.25 / 4.50	0.25 / 2.00	0.60 / 4.50
Coating Mass	Regular Spangle	Z08,Z12,Z18,Z20 , Z22,Z25,Z27, Z35,Z45		Z08 / Z27		Z10 / Z45	Z120,Z180, Z275,Z350, Z450			Z120 Z180 Z275
	Minimized (Zero) Spangle	Z08,Z12,Z18,Z20 , Z22,Z25,Z27, Z35,		Z08 / Z27		Z18 / Z35	Z120,Z180, Z275,Z350,			Z120 Z180 Z275
	Galvanized	F10,F12,F18					ZF120,ZF180			
Surface Finish		Regular Spangle, Minimized Spangle, Extra Smooth and								



	Galvan nealed
Surface Treatment	Chromating Treatment, Oiled or Resin Coated (Anti Finger Print)
Coating Thickness	Min. Single Side coating Thickness: 50 g/m' Max. Single Side coating Thickness: 225 g/m'
Remarks	<p>Tolerance for thickness, width, flatness and so on... can conform to the requirements of JIS G3302 or ASTM A653M / A924M.</p> <p>All products with thickness 2.0mm and under can be skin passed.</p> <p>The specification for thicknesses under 1.6mm for hot-rolled base metal according to JIS G3302 will be the same as for thickness 1.6mm and over.</p> <p>Coil inside diameters can be either 508mm or 610mm, maximum coil outside diameter is 2000mm. Weight of a single coil can be from 5 to 30 metric tons.</p> <p>The specification of ASTM such as A653M, A792M, A875M / A924M and etc. have been updated to the latest revisions.</p>

Hot-Dip Galvafan / Galvalume Steel Coils (Al-Zn Coated)

Product Name	Galfan (5% Al-Zn Coated Steel Coil)						Galvalume (55% Al-Zn Coated Steel Coil)			
Specifications	JIS G3317 1994		ASTM A875M 1997 ASTM A924M 1997				JIS G3321 1998		ASTM A792M 1997 ASTM A924M 1997	
	SZAH	SZAC	Commercial	Forming	Structural	Structural	SGLC	SGLC	CS	SS
	C	C	Steel	Steel	Steel	Steel	C	D	Type	Grade
	SZAH	SZAC	Steel	Steel	Steel	Steel	SGLC		e	e
	C	340	Type	Type	Grade	Grade	400		A	230
	340	400	A	A	230	550	440		B	255
	400	440	B	B	255		490		C	275
	440		C	C	275		570		FS	345

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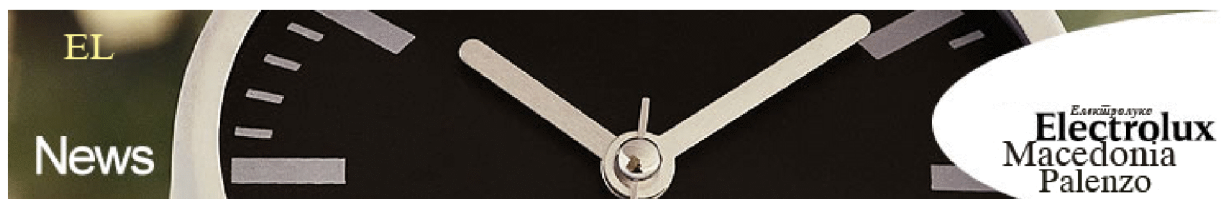
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				340					550
Thickness of Base Steel (mm)	1.20 / 4.50	0.30 / 1.25	0.70 / 4.50		0.25 / 2.00	0.15 / 1.25	0.15 / 1.25	0.1 5 1.2 5	0.15 / 1.25
Coating Mass	Y08 Y10 Y12 Y18 Y20 Y22 Y25 Y27 Y35 Y45		ZGF 90 ZGF135 ZGF180 ZGF225 ZGF275 ZGF350 ZGF450			AZ 90 AZ120 AZ150 AZ170		AZ150 AZ165 AZ180	
Surface Finish	Regular Spangle, Minimized Spangle					Regular Spangle			
Surface Treatment	Chromating Treatment, Oiled or Resin Coated (Anti Finger Print)								
Coating Thickness	Min. Single Side coating Thickness: 50 g/m' Max. Single Side coating Thickness: 225 g/m'								
Major Applications	For Construction: ? Floor Deck,Celling,Shutter,Air Condition Duct. For Electric Appliance: Shell of Freezer,Switch Box,Refrigerator,Washing Machine etc. For Transportation: Soundproof Wall,Road Handrail,Vehicle body,Exhaust Pipe,Air Cleaner. For Furniture and Other: Office Chair & Desk,File Cabinet,Vending machine,Garbage Can.								
Remarks	1.Tolerance for thickness, width, flatness and so on... can conform to the requirements of JIS G3302 or ASTM A653M / A924M. 2.All products with thickness 2.0mm and under can be skin passed. 3.The specification for thicknesses under 1.6mm for hot-rolled								



	base metal according to JIS G3302 will be the same as for thickness 1.6mm and over.
	4.Coil inside diameters can be either 508mm or 610mm, maximum coil outside diameter is 2000mm. Weight of a single coil can be from 5 to 30 metric tons.
	5.The specification of ASTM such as A653M, A792M, A875M / A924M and etc. have been updated to the latest revisions.

ITEM	CGI			HGI	
THINKNESS	0.2mm ~ 1.6mm			1.5mm ~ 6.0mm	
WIDTH	914mm ~ 1824mm				
INNER DIMENSION	610mm / 508mm				
WEIGHT	5 ~ 30MT(MAX)				
ZINC MASS	80 ~ 350g/m2				
	JIS G3302	ASTM A525-93	ASTM A525M-91a	ASTM A653-95	ASTM A653M-95
	Z08 ~ Z35	G40 ~ G140	Z120~ Z350	G40~G115	Z120~ Z350
ZINC FINISH	REGULAR SPANGLE / MINISPANGLE / EXTRA-SMOOTH AND GALVANNEALED				
SURFACE TREATMENT	CHROMATED TREATED / OILED				
EQUIVALENT SPECIFICATION	JIS	ASTM			
	JISG3302 SGCC SGC340 SGC400	A526-90 A446-93 GRAGE A,B,C,D1,D2 A527-90 LFQ	A526M-90 A446M-93 GRADE A,B,C,D1,D2 A527-90 LFQ	A653-95 CQ SQ33 SQ37 SQ40 SQ50 CLASS1 CLASS2 CLASS3 LFQ	A653M-95 CQ SQ230 SQ255 SQ275 SQ340 CLASS1 CLASS2 CLASS3 LFQ

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	JISG3302 SGHC SGH340 SGH400 SGH440	ASTM USE THE A653 / A653M SPELICATION FROM 1994
REMARKS	1. ALL PRODUCTS CAN BE SKIN PASSED	
	2. PLEASE INQUIRE OUR MARKETING DEPARTMENT FOR PRODUCT SPECIAL SPECIFICATIONS	