

STRENGTH IN QUALITY



Al Ghurair Iron & Steel LLC

الغريير للحديد والاعستيل (ذ.م.م.)



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Vision

To be the leader in Galvanized flat steel products in its markets of operation.

Mission

To provide value for money to all our esteemed customers by offering the most comprehensive range of high quality steel products through reliable, timely and cost effective norms & services

Values

Commitment to customer satisfaction.
Commitment to employee satisfaction.
Professional integrity.
Pride in organization.
Contribution to the well being of the society.
Contribution to the preservation of the environment.
Take no shortcuts to Ethics, Compliance & Quality.
Nurturing and promoting our people talents.

Milestones

2006 : AGIS Company formation

2008 : Start of Commercial Production

2009 : Structural grade of GI developed

2010 : ISO 9001 : 2008 Certification

2011 : EHSMS Certified by Zones Corp

2012 : Equity participation by Nippon Steel Corporation

2013 : EPC awarded by UAE Ministry of Environment & Water

2014 : ISO 14001 & OHSAS 18001 Certification

2015 : Skin pass Mill commissioned, EQM Certification

2016 : ISO 9001 : 2015 Certified

CGL 2 Commissioned



Al Ghurair Iron & Steel LLC (AGIS) is the first & only Flat Steel Cold Rolling & Galvanising complex in the United Arab Emirates and one of the largest producers of Galvanised Steel in the Middle East & North Africa region. It is a joint venture of the Saif Al Ghurair Group, one of the largest and well diversified business houses of UAE & Nippon Steel & Sumitomo Metal Corporation (NSSMC), Japan's largest and one of the biggest steelmakers in the world. Located in the capital city of Abu Dhabi, the 400,000 TPA facility caters to the requirement of the construction, steel fabrication & other non-automotive industries primarily in the MENA region.

Since it began commercial production in 2008, AGIS has taken giant strides in the Galvanised Steel industry in the region developing superior quality products designed to customer requirement and providing an impeccable after-sales-service. The Galvanised Steel coils of AGIS have been EQM certified by the Emirates Authority for Standardisation & Metrology.

AGIS produces 400,000 MT/annum of Hot Dip Galvanised Coils with a thickness range of 0.20 to 2.50 mm and widths upto 1250mm from its two Continuous Galvanising Lines. The production lines have been engineered & designed to cater to the requirement of the end-users in the region. Sheets and slitted coils are also offered as per customer requirement. All grades of GI – CQ, LFQ, SQ & HSLA for a wide variety of applications are produced in AGIS. It also offers Skin Passed GI and Oiled GI for some special applications.

All the raw materials are procured from world class Steel Mills and primary Zinc smelters. There is a fully equipped laboratory designed to carry out physical, mechanical & chemical tests as per all international quality standards. Stringent quality control measures are in place from raw material inspection to online process inspection & testing and control of final loading & dispatch.

The Quality Management systems of the company have been certified ISO 9001:2015 compliant by BSI. The Environment, Health and Safety Management System (EHSMS) of the company has been approved by Zones Corp. It also has ISO 14001:2004 and OHSAS 18001:2007 certifications from Bureau Veritas.

Being located close to the seaports of Abu Dhabi & Jebel Ali makes it logistically convenient to access all parts of the world – both in containers and by break bulk. AGIS also uses the road network and systematic transport facilities to cater to the GCC markets. Consumers have the ease of getting the material delivered at their doorstep straight from the Mill, on time, every time.

With a workforce of over 500 satisfied employees from more than 10 nationalities, AGIS prides itself with creating a professional work environment providing for growth and development of individuals.



Manufacturing Line Specifications

Description	Pickling	Cold Rolling	Galvanizing	Cut to length	Slitter
Type	Push Pull Type	6Hi Reversible Mill	Continuous Hot Dip (HDG)		
Thickness(mm)	1.20 – 4.50	0.18 – 2.50	0.20 – 2.50	0.30 - 2.50	0.20 – 2.50
Width (mm)	650 -1300	650 – 1250	650 – 1250	650 – 1250	40 -1250
Coil ID (mm)	610	610	508 / 610	N/A	508 / 610
Coil OD (mm)	2,000 max	2,000 max	2,000 max	N/A	2,000 max
Coil Weight (MT)	25 max	25 max	25 max	N/A	25 max
Oiling	Dip Roll Type	N/A	Electrostatic	N/A	ApplicatorType
Zinc Coating (GSM)	N/A	N/A	90 - 350	N/A	N/A
Pallet Weight (MT)	N/A	N/A	N/A	3.5 max	N/A
Length (mm)	N/A	N/A	N/A	1200 - 4000	
Length Tolerance (mm)	N/A	N/A	N/A	± 0.25 up to 2000 mm	
				± 0.35 from 2001 up to 3000 mm	
				± 0.45 from 3001 up to 4000 mm	
Special Features	*State of the art leveler cum scale breaker results into flat shape & bright surface.	*6Hi mill setup ensures excellent sheet flatness. * State of art computerized Automatic Gauge Control (AGC) system ensures tight thickness control.	*Ceramic Zinc Pot ensures high quality bright surface & Online Tension Leveler ensures excellent sheet flatness. *Online Electrostatic Oiling ensures very uniform and accurate oil coating.	*State of the art Cut to Length line ensures very accurate length and diagonal tolerance of cut sheets.	*State of art CRS with ASKO cutter assembly ensures accurate width tolerance & smooth cut edge.

Note: Coil OD & Coil Weight - dependent on the coil thickness & Width. ID-Inner Diameter, OD- Outer Diameter

Product Type & Applicable Specifications

DESCRIPTION	HOT-DIP GALVANIZED (HDG) FLAT STEEL (Coil/Strip/Sheet)
■ Specification	ASTM A 653 / A 653 M – 2015 CS Type A, B, C FS Type A, B DDS Type A, B SS Grade 33, 37, 40, 50, 55, 80 DIN EN 10327 – 2004 / DIN EN 10346 - 2015 DX51D, DX52D, DX53D DIN EN 10326 -2004 / DIN EN 10346 - 2015 S220GD, S250GD, S280GD, S320GD, S350GD, S550GD JIS G 3302 – 2010 SGCC, SGCD1, SGCD2, SGC340, SGC400, SGC440, SGC490, SGC570
■ Type	Tension Levelled / Non tension levelled (Full Hard)
* ■ Standard Coating Offered	Z90 (G30), Z120 (G40), Z180 (G60), Z275 (G90), Z350 (G115)
■ Surface Finish	Regular Spangle/Minimized Spangle (Skinpassed) / Suppressed Spangle
■ Surface Treatment	Cr+6 Passivated / Cr+3 Passivated / Non Passivated / Oiled / Uncoiled
* other intermediate coatings can be supplied after mutual agreement.	

Product Size & Form in Continuously Hot- Dip Galvanized Material

Thickness Range (mm)	Width Range (mm)	Form	Remarks
0.20 - 0.23	900 - 1020	Coil form	Mill edge*
0.23 - 0.25	900 - 1219	Coil form	Mill edge*
0.25 - 2.50	900 -1250	Coil form	Mill edge*/HR Untrimmed edge
0.20 - 0.23	35 - 1020	Coil form	Slit edge
0.23 - 0.25	35 - 1219	Coil form	Slit edge
0.25 - 2.50	35 - 1250	Coil form	Slit edge
0.30 - 2.50	650 - 1250	1200 – 4000 (Sheet form)	Plain Sheet

*Mill edge: HR trimmed edge and CR Mill edge

Zinc Coating

Thickness range (mm)	ASTM	1/2 ASTM	**TCT	***BMT
0.200 to 0.300	110 - 180 GSM	110 - 180 GSM	110 -120 GSM	110 - 180 GSM
0.301 to 0.350	100 - 275 GSM	100 - 120 GSM	100 - 120 GSM	100 - 275 GSM
0.351 to 0.45	90 - 275 GSM	90 - 275 GSM	90 - 180 GSM	90 - 275 GSM
> 0.451 to 2.50	90 - 350 GSM	90 - 350 GSM	90 - 350 GSM	90 - 350 GSM

** TCT: Total Coating Thickness

***BMT: Base Metal Thickness

Typical End Uses

Product	Form	End Uses
<p>Hot Dip Galvanized (HDG)</p> <ul style="list-style-type: none"> • Full Hard (FH) • Commercial Quality (CQ, LFQ) • Drawing Quality (DQ) • Deep Drawing Quality (DDQ) • Structural Quality (SQ) 	<p>Coil/Sheet</p>	<ul style="list-style-type: none"> * Construction: Roofing, Sidewall, Partition, Panel, valley gutter, Louvers, False Ceiling, Duct, Heating Ventilation cold rolled sections, Lintels, color coating(prepainting), Z,C purlins, Decking, steel buildings, etc. * Domestic: Trunk, ICE Box, Household Machine, Tub, Bucket, Storage Bin, Dustbin, Water tank, Washing Machine body, Door/Window Frame (powder coating), Building Panel etc. * Agriculture: Grain Silo, Sprayer, Pan, Feeding through etc. * White Goods/Electrical Appliances: Cabinet of Air Conditioner/ Water Cooler, Refrigerator, Freezer, VCR, Water Heater, PC Hard Disk, Electrical Panel, Cable Trays and accessories etc. * Furniture and Fixtures: Desk, Locker, Rack, Cabinet, Shelf, Almirah etc. * Industrial Components: Ducting, Drum/Barrel, Rolling Shutter, Container, Packaging materials etc. * Outdoor: Sign-Board, Hoarding, Road Signs etc.



Grade Index

Product	Applicable International Standards		
	ASTM A653/A653M - 2015	JIS G3302 : 2010	*DIN EN 10346 : 2015
Continuously hot dip Zinc-coated (Galvanized) low carbon steel for cold forming	CS Type A, B, C FS Type A, B	SGCC, SGCH	DX51D
	DDS Type C	SGCD1	DX52D
	DDS Type A	SGCD2	DX53D
Continuously hot dip Zinc-coated (Galvanized) structural steel	SS 230 (SS 33)	Not Applicable	S220GD
	SS 255 (SS 37)	SGC340	S250GD
	SS 275 (SS 40)	SGC400	S280GD
	Not Applicable	Not Applicable	S320GD
	SS 340 Class 1,2,3,4 (SS 50 Class 1,2,3,4)	SGC440	S350GD
	SS 380 (SS 55)	SGC490	Not Applicable
	SS 550 Class 1,2 (SS 80 Class1,2)	SGC570	S550GD

* Corresponding grades as per DIN EN 10326:2004 / EN 10327:2004 can be offered.

Notes:

1. Chemical composition, Mechanical properties and Dimensional tolerances will be as per respective Specification. Dimensional tolerances, however, can be mutually agreed before sales contract.
 2. Dimensional tolerances are applicable to thickness, width, length (sheet form), flatness, edge camber & out of squareness.
- The corresponding standards and grades given in this table are for information purpose only. Exact correspondence of grades may/may not exist in different standards.

Laboratory AGIS has a fully equipped laboratory capable of conducting physical, chemical, metallurgical and mechanical tests as per all international quality standards.



Packing Details

AGIS Standard Packing



Storage Instruction



Store under cover, in dry, well – ventilated conditions
Do not leave unpacked coils in open
Cover them properly or repack

Do not store near chemicals and chemical fumes
Do not leave unpacked coils in open
Cover them properly or repack



Maximum 2 high stacking of coils
Put small diameter coils above the bigger diameter coils

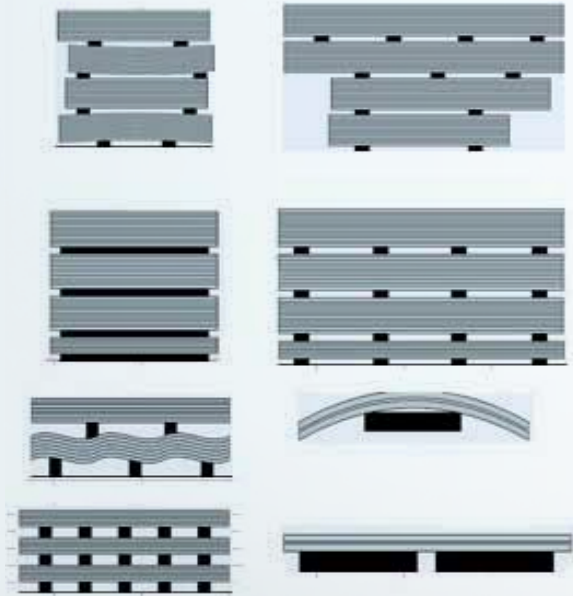


Install a fixed chock system to restrain the row



Storage of coil on protective padding
Storage of coil on Wedge –shaped protective
It prevents the damage to the metal

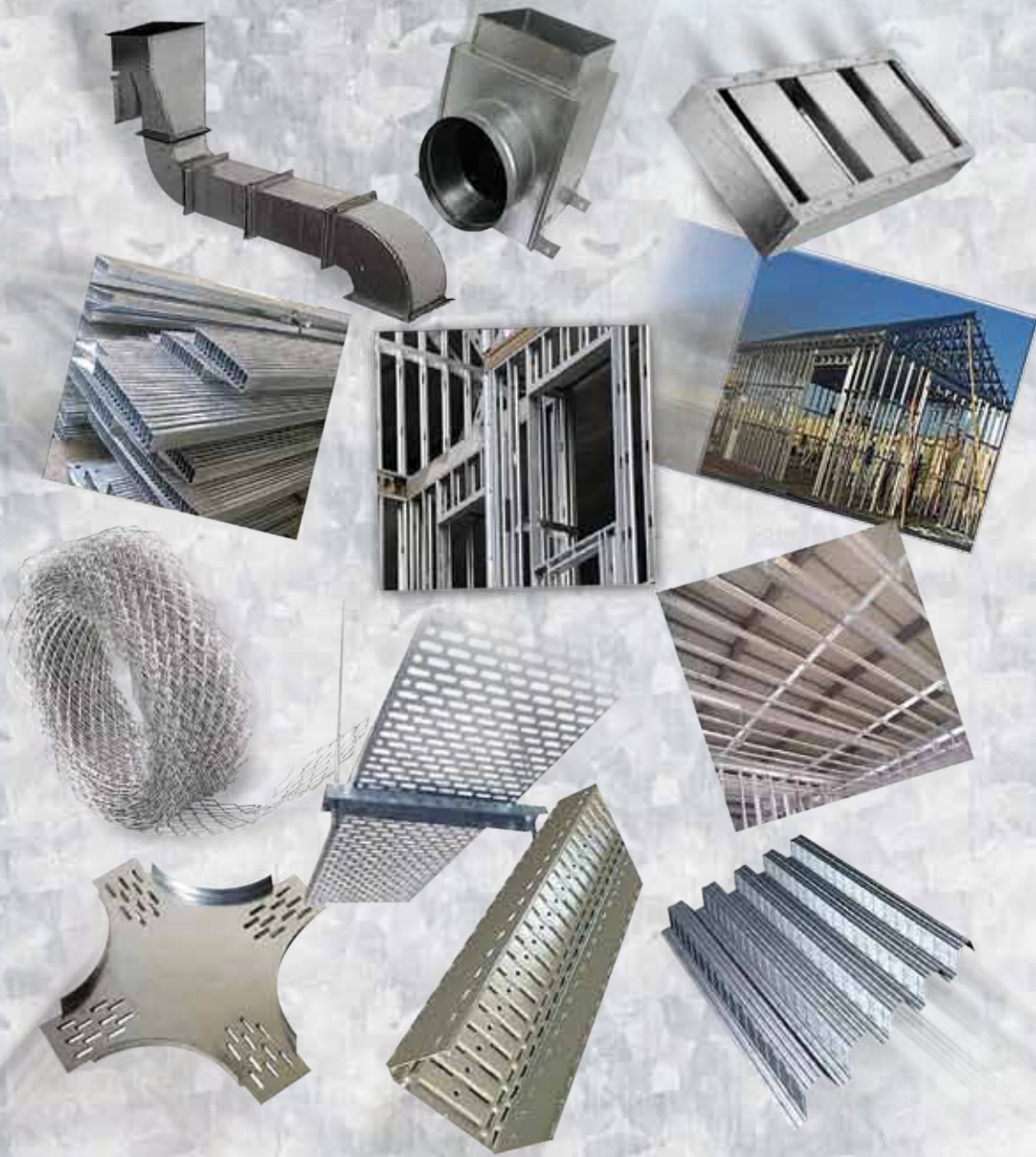
GI Sheet Stacking



Stack the GI Sheet bundle one over another
Use wooden pallet for stacking GI sheet



GALVANISED STEEL FOR ALL APPLICATIONS



AGIS

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A Joint Venture of AL GHURAIR GROUP and NIPPON STEEL & SUMITOMO METAL CORPORATION

Contact us: P.O. Box 106065, Abu Dhabi, UAE. Tel: +971 2 659 3400 Fax: +971 2 550 0949

Web: www.agis.ae