

**AM/NS  
INDIA**

ArcelorMittal Nippon Steel India

**AM/NS Suraksha**

Galvanised Corrugated Sheets

**/ SURAKSHIT SAPNE.  
SURAKSHIT APNE.**





## About AM/NS India:

AM/NS India, a joint venture between ArcelorMittal and Nippon Steel – two of the world's leading steel companies – is an integrated carbon steel manufacturer with its roots spread from iron ore to ready-to-market products. Established in December 2019, the company's manufacturing facilities comprise iron-making, steelmaking, and downstream facilities spread across India. A major strategic advantage is our high level of forward and backward integration. AM/NS India is totally integrated – from raw materials to niched products – adding value at every stage of the manufacturing process. The company's goal is to help create smarter, more sustainable steels for India and the world. We place safety, innovation, sustainability, and technology at the foundation of everything we do. AM/NS India offers more than 600 grades of steel, all of which conform to international quality standards, ascribing to being a trusted and reliable provider of steel to customers in India and beyond. And help lead the world toward brighter futures.



## About AM/NS Suraksha:

AM/NS Suraksha is a range of Galvanised Corrugated Sheets known for its superior strength and longer life. Coated with 120 GSM zinc, the sheets have perfect corrugation and are corrosion resistant. Light weight and High Tensile Strength makes it a preferred choice for all the roofing and cladding applications.



## Key Features of AM/NS Suraksha:



### Superior strength & corrosion protection

AM/NS Suraksha Galvanized Sheets are preferred choice for roofing & cladding applications because of their superior strength and longer life. They conform to IS 277 specification and undergo stringent salt spray quality tests to ensure their performance in all weather conditions. The minimum zinc coating of 120 GSM (Grams per Square Meter) makes it suitable for decades of usage in challenging environmental conditions.



### Perfect corrugation & uniformed spangles

Even corrugations in AM/NS Suraksha Galvanized sheets ensure perfect overlapping which results in improved weather-proofing. Moreover, there is no unwanted retention of particles and moisture between overlapped joints. This prevents corrosion originating from overlapping. AM/NS Suraksha Galvanized Sheets are non-combustible and do not burn or support the spread of fire. Hence it provides safety to the people and articles residing under its roof.



### Resistant to fire, sparks, hail & low maintenance

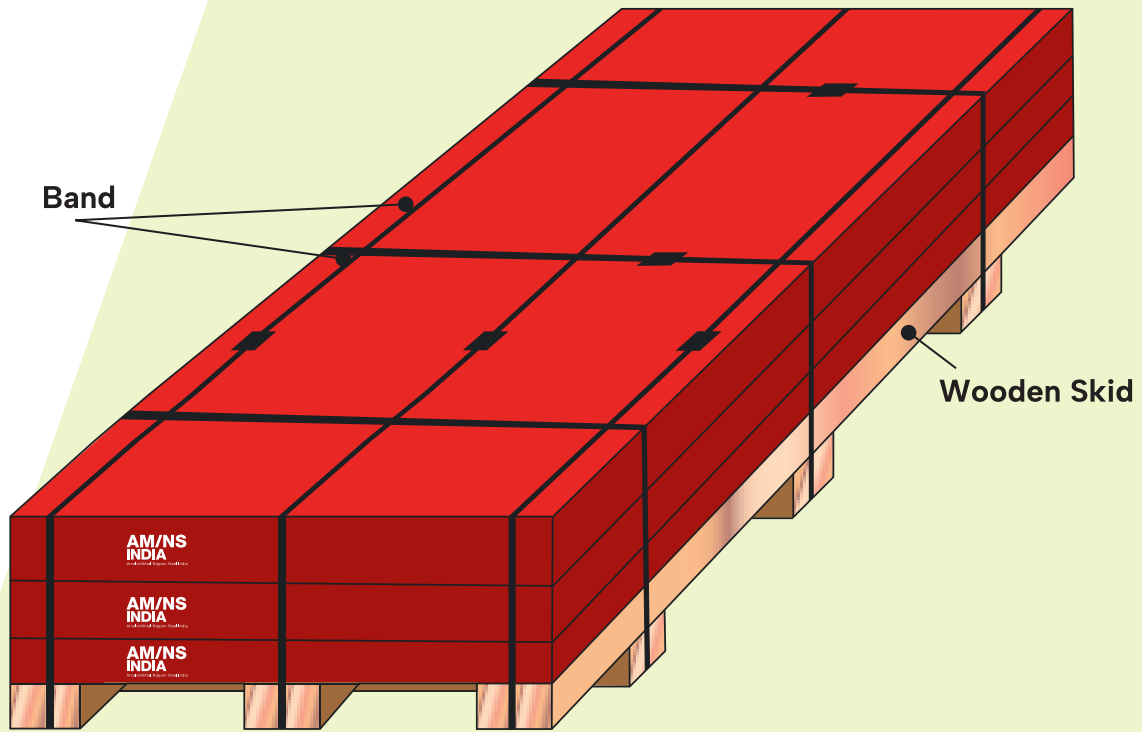
When evaluated on a life cycle cost basis, in comparison to substitute products on factors like durability, installation, maintenance and resale value, AM/NS Suraksha proves to be the most favourable choice available.



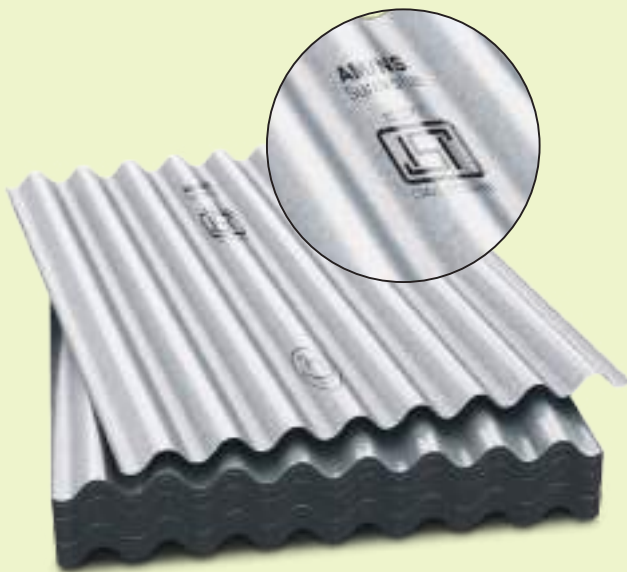
### Light Weight & High Tensile Strength

High tensile strength (Min 550 MPa) of AM/NS Suraksha GC Sheets makes your roof lighter yet strong to brave the natural calamities like hailstorm etc.

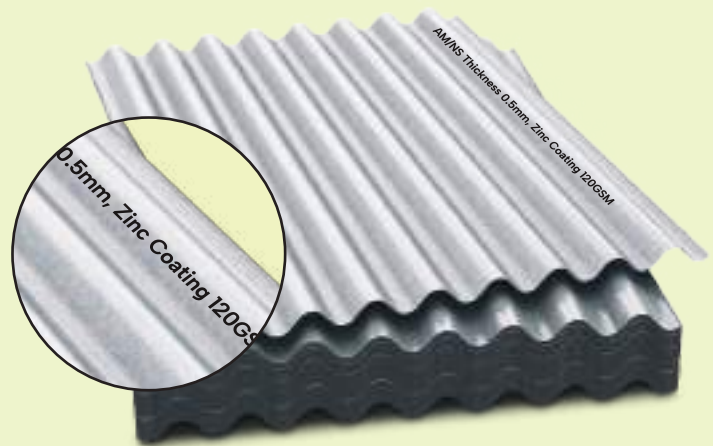
## AM/NS Suraksha Packaging:



## Mark of authenticity



## Liner Marking:





## Weight Chart for AM/NS Suraksha

AM/NS Suraksha Approximate Weight per Sheet (for 120 GSM Coating)

Input Width	Output Width	GP Thickness	WT IMTR	6Ft	7Ft	8Ft	9Ft	10Ft	12Ft	14Ft	16Ft
				1830	2135	2440	2745	3050	3660	4270	4880
900 mm	740 mm 760 mm 780 mm 800 mm	0.12	0.848	1.55	1.81	2.07	2.33	2.59	3.10	3.62	4.14
		0.14	0.918	1.68	1.96	2.24	2.52	2.80	3.36	3.92	4.48
		0.16	1.067	1.95	2.28	2.60	2.93	3.25	3.91	4.56	5.21
		0.18	1.201	2.20	2.56	2.93	3.30	3.66	4.40	5.13	5.86
		0.20	1.328	2.43	2.84	3.24	3.65	4.05	4.86	5.67	6.48
		0.22	1.413	2.59	3.02	3.45	3.88	4.31	5.17	6.03	6.90
		0.25	1.646	3.01	3.51	4.02	4.52	5.02	6.02	7.03	8.03
		0.30	1.908	3.49	4.07	4.66	5.24	5.82	6.98	8.15	9.31
		0.35	2.240	4.10	4.78	5.47	6.15	6.83	8.20	9.56	10.93
		0.40	2.572	4.71	5.49	6.28	7.06	7.84	9.41	10.98	12.55
		0.45	2.897	5.30	6.19	7.07	7.95	8.84	10.60	12.37	14.14
		0.50	3.229	5.91	6.89	7.88	8.86	9.85	11.82	13.79	15.76
		0.55	3.589	6.57	7.66	8.76	9.85	10.95	13.14	15.33	17.51
		0.60	3.971	7.27	8.48	9.69	10.90	12.11	14.53	16.96	19.38
		0.65	4.400	8.05	9.39	10.74	12.08	13.42	16.10	18.79	21.47
0.70	4.698	8.60	10.03	11.46	12.90	14.33	17.19	20.06	22.93		
0.75	5.016	9.18	10.71	12.24	13.77	15.30	18.36	21.42	24.48		
1000 mm	860 mm 880 mm 900 mm	0.12	0.942	1.72	2.01	2.30	2.59	2.87	3.45	4.02	4.60
		0.14	1.020	1.87	2.18	2.49	2.80	3.11	3.73	4.36	4.98
		0.16	1.185	2.17	2.53	2.89	3.25	3.61	4.34	5.06	5.78
		0.18	1.334	2.44	2.85	3.25	3.66	4.07	4.88	5.70	6.51
		0.20	1.475	2.70	3.15	3.60	4.05	4.50	5.40	6.30	7.20
		0.22	1.570	2.87	3.35	3.83	4.31	4.79	5.75	6.70	7.66
		0.25	1.829	3.35	3.90	4.46	5.02	5.58	6.69	7.81	8.93
		0.30	2.119	3.88	4.52	5.17	5.82	6.46	7.76	9.05	10.34
		0.35	2.488	4.55	5.31	6.07	6.83	7.59	9.11	10.62	12.14
		0.40	2.857	5.23	6.10	6.97	7.84	8.71	10.46	12.20	13.94
		0.45	3.218	5.89	6.87	7.85	8.83	9.81	11.78	13.74	15.70
		0.50	3.587	6.56	7.66	8.75	9.85	10.94	13.13	15.32	17.50
		0.55	3.987	7.30	8.51	9.73	10.94	12.16	14.59	17.02	19.46
		0.60	4.411	8.07	9.42	10.76	12.11	13.45	16.14	18.83	21.53
		0.65	4.890	8.95	10.44	11.93	13.42	14.91	17.90	20.88	23.86
0.70	5.220	9.55	11.14	12.74	14.33	15.92	19.11	22.29	25.47		
0.75	5.573	10.20	11.90	13.60	15.30	17.00	20.40	23.80	27.20		
1320 mm	1220 mm	0.25	2.414	4.42	5.15	5.89	6.63	7.36	8.84	10.31	11.78
		0.30	2.797	5.12	5.97	6.82	7.68	8.53	10.24	11.94	13.65
		0.35	3.284	6.01	7.01	8.01	9.01	10.02	12.02	14.02	16.03
		0.40	3.771	6.90	8.05	9.20	10.35	11.50	13.80	16.10	18.40
		0.45	4.248	7.77	9.07	10.37	11.66	12.96	15.55	18.14	20.73
		0.50	4.735	8.67	10.11	11.55	13.00	14.44	17.33	20.22	23.11
		0.55	5.263	9.63	11.24	12.84	14.45	16.05	19.26	22.47	25.68
0.60	5.647	10.33	12.06	13.78	15.50	17.22	20.67	24.11	27.56		

## Physical Profile of AM/NS Suraksha

Input Width (mm)	*Output Width of GC Sheets After Corrugation (mm)	Depth of Corrugation (mm)	Pitch of Corrugation (mm)	No. of Corrugations
900	740	20/21(+/-2.5)	70(+/-5)	10+1/2+1/2
900	760	19.5/20(+/-2.5)	71(+/-5)	10+1/2+1/2
900	780	19/19.5(+/-2.5)	72(+/-5)	10+1/2+1/2
900	800	17.6/18(+/-2.5)	76.2(+/-5)	10+1/2+1/2
1000	860	16/17(+/-2.5)	76.2(+/-5)	12+1/2+1/2
1000	880	15/16(+/-2.5)	76.2(+/-5)	12+1/2+1/2
1000	900/910	15/16(+/-2.5)	76.2(+/-5)	12+1/2+1/2
1320	1220	14/15(+/-2.5)	72(+/-5)	15+1/2+1/2

**Tolerance Levels and Other Specifications – AM/NS Suraksha tolerance levels confirm to BIS specifications owing to superior process control.**

Parameter	UOM	Tolerance
Bundle Weight (70/72 running feet of sheets)	%	+/- 0.50
Thickness Tolerances	mm	± 0.05
Length Tolerance	mm	+15.0, -0.0
Width Tolerances	mm	± 25.0 [IS277 -2018 (Clause 15.2.1) table no 9]
Depth of Corrugation	mm	± 2.5 [IS277 -2018 (Clause 15.2.1) table no 9]
Pitch of Corrugation	mm	± 5.0 [IS277 -2018 (Clause 15.2.1) table no 9]
Yield Strength	MPa	550 min
Zinc Coating	GSM	Min 120 (as per BIS clause 7.1 & 10.1)
Spangles	Finish	Regular and Bright



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