



LET YOUR
SUGAR BUSINESS
FLOURISH UNDER
HINDALCO EVERLAST

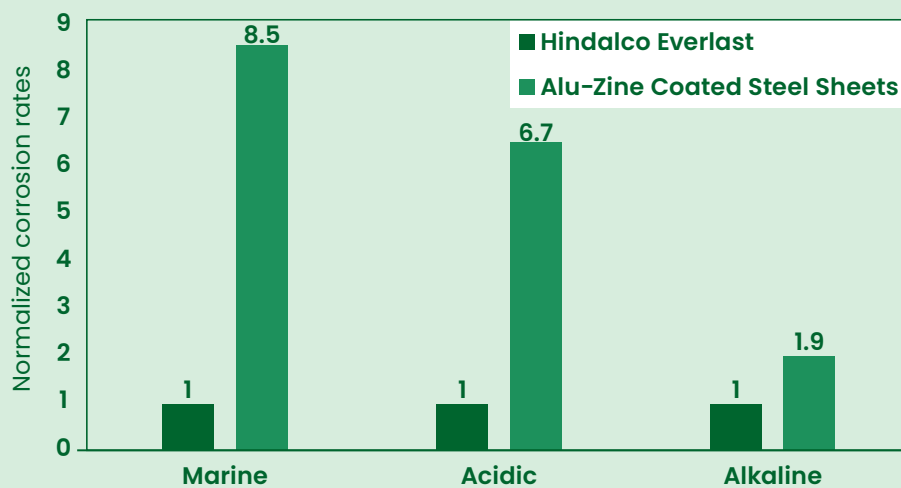


HINDALCO
Everlast
Aluminium Roofing & Structural
Nothing lasts as long as Everlast

Hindalco Everlast is India's leading brand of Aluminium Roofing Sheets. Manufactured by Hindalco Industries Ltd., the world's largest Aluminium Company and the metals flagship of the Aditya Birla Group.

Hindalco Everlast roofs made from virgin aluminium never rust. They demonstrate excellent corrosion resistance to acidic environments compared to Galvanized Iron sheets or those coated with Alu-Zinc, making them a perfect choice for sugar factories.

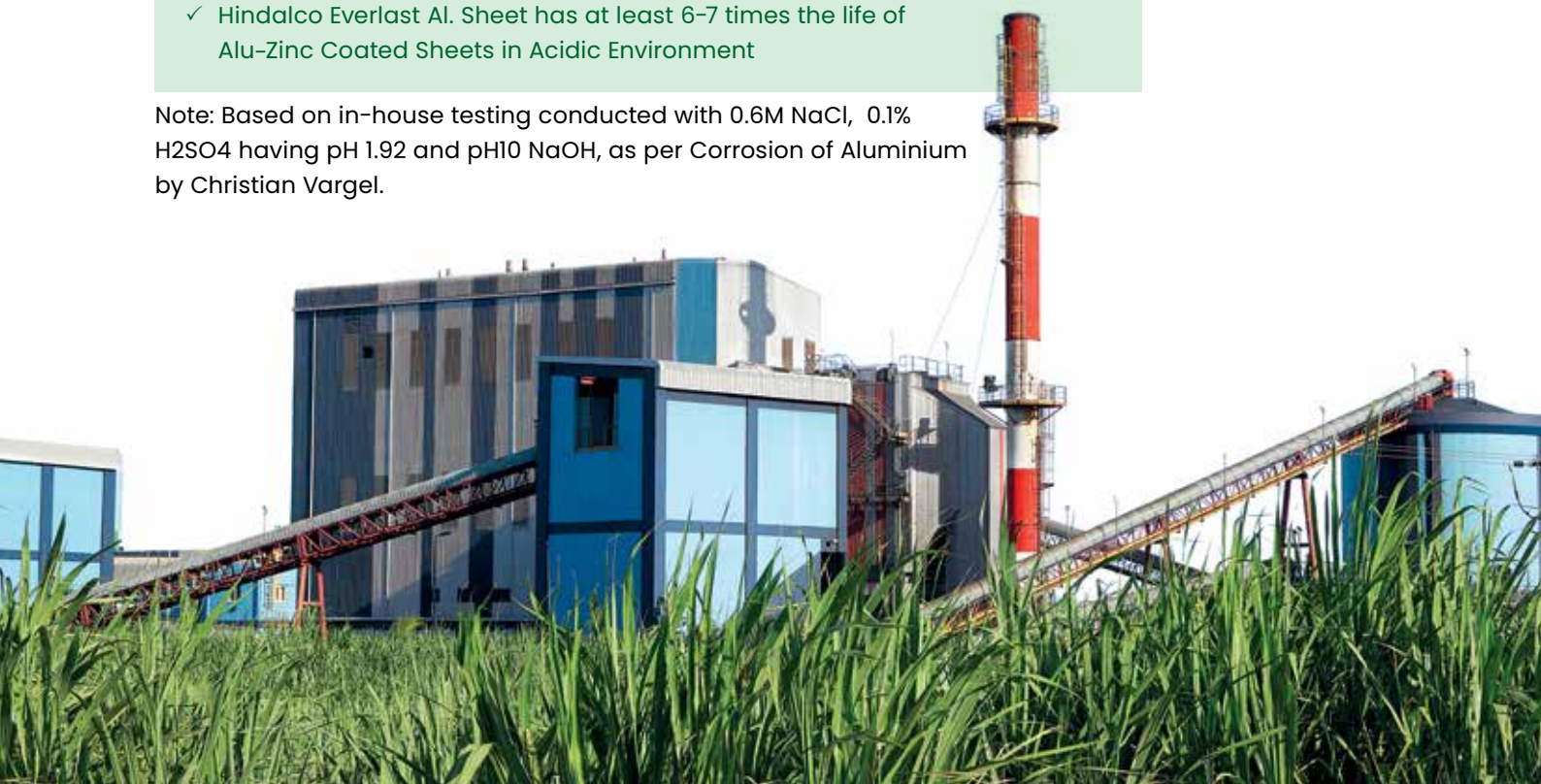
**RELATIVE CORROSION:
HINDALCO EVERLAST V/S ALU-ZINC COATED STEEL SHEETS**
(Corrosion rates normalized against Hindalco Everlast)










A Comparison across various environments highlights

- ✓ Hindalco Everlast Al. Sheet has at least 8 times the life of Alu-Zinc Coated Sheets in Marine Environment.
- ✓ Hindalco Everlast Al. Sheet has at least 6-7 times the life of Alu-Zinc Coated Sheets in Acidic Environment

Note: Based on in-house testing conducted with 0.6M NaCl, 0.1% H₂SO₄ having pH 1.92 and pH10 NaOH, as per Corrosion of Aluminium by Christian Vargel.

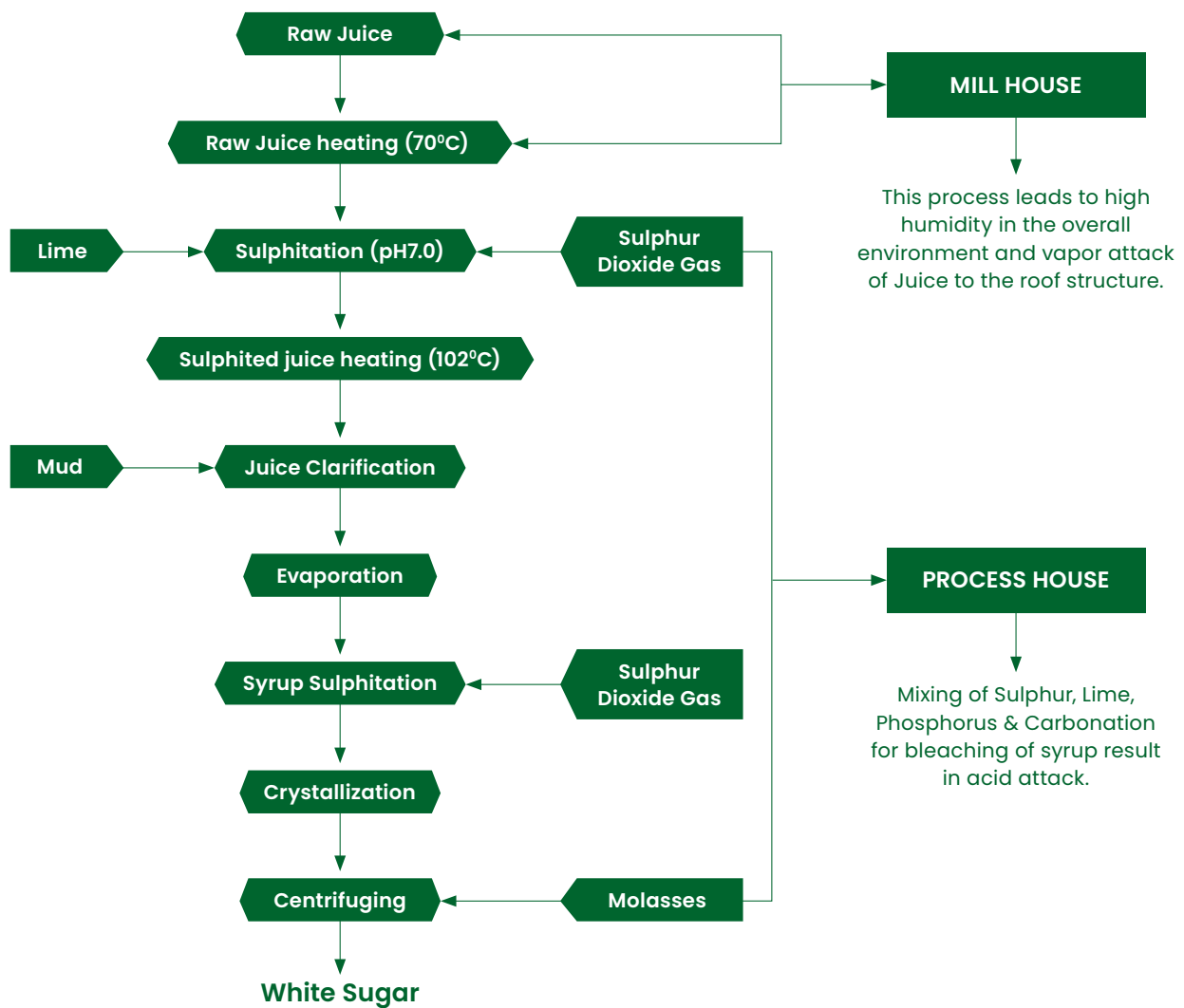


ADVANTAGE OF HINDALCO EVERLAST ALUMINIUM ROOFING AND CLADDING SHEETS

FEATURES	HINDALCO EVERLAST ALUMINIUM SHEETS	G.I./COLOUR G.I. SHEETS	ALU-ZINC COATED SHEETS
 RUST PROOF	Yes	No	No
 ZERO MAINTENANCE	Yes	No	No
 STRENGTH & WEIGHT	Strong but one third the weight of G.I.	Strong	Strong
 LOOKS GOOD	Looks good forever	Only in initial years	Only in initial years
 TEMPERATURE	Reflects heat. Moderates temperature below roof up to 6° due to lower emissivity	Absorbs heat. Higher temperature below the roof due to higher emissivity	Absorbs heat. Higher temperature below the roof due to higher emissivity.
 LIFESPAN Under normal natural atmospheric conditions	Over 40 years	5-8 years	8-12 years
 RESALE VALUE	Up to 60% of initial investment	Very low	Very low

WHY HINDALCO EVERLAST IS THE BEST CHOICE FOR SUGAR PLANT?

FLOW CHART FOR WHITE SUGAR PROCESS



PROCESSES AND AREAS BEST SUITED FOR HINDALCO EVERLAST

Various reactions in the sugar manufacturing process like Suphitation and Carbonation produce a corrosive environment within the Sugar Manufacturing Plant. These corrosive fumes, in the form of acidic gases or water vapour, interact with the roof and impair its life.

Also high temperatures in the sugar storage godowns result in moisture loss from sugar bags reducing their weight which in turn reduces the total sales revenue.

S. No.	Critical Process in Sugar Plant	Damage Caused by	Area
1	Sugar Cane is crushed to extract raw juice	Acid attack by cane juice (5pH)	Acid attack by juice (Cane Juice - 5pH)
2	Recirculation of hot & cold water within the processes by injection & spray system leading to high humidity in the environment	Steam vapor attack	Mill House
3	Raw juice to clarified juice (Mixing of Sulphur, Lime, Phosphorus & Carbonation for bleaching of syrup)	SO ₂ gas attack	Process House - Clarification shed
4	Evaporation of water from the juice	Acid vapor attack	Process House - Evaporation shed
5	Sugar Storage (Godown) - High godown temperatures result in loss of moisture from sugar, reducing the weight of sugar bags	Moisture loss caused by high shed temperature	Sugar Godown
6	Fermentation of molases for ethanol	Fermentation fumes that are acidic	Distillary





SOME OF OUR ELITE CUSTOMERS FROM SUGAR INDUSTRY

Sugar Industries	Location
Triveni Sugar	Rani Nangal, Uttarakhand
Bajrang Sugar	Lakhimpur, U.P.
Ashok Sugar	Lakhimpur, U.P.
Panchmukhi Sugar	Lakhimpur, U.P.
Shri Saraswati Sugar	Lakhimpur, U.P.
Shyamji Khandsari	Sitapur, U.P.
Rameshwar Prasad & Sons (Ashok Sugar)	Lakhimpur, U.P.
Chamundeshwari Sugar	Mysore, Karnataka
KPR Sugar	Gulbarga, Karnataka
EID Parry	Dandeli, Karnataka
Bannari Sugar	Mysore, Karnataka
Rajashree Sugar	Vidhshram, Tamilnadu
Banariamman Sugar	Erode, Tamilnadu
EID Parry	Trichy, Tamilnadu
21 sugar	Latur, Maharashtra
Shakti Sugar	Dhenkanal, Odisha

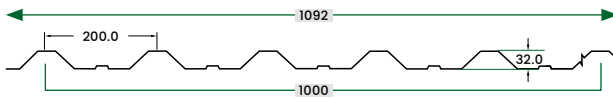


PRODUCT – TECHNICAL DETAILS

A. Modern Troughed (Trapezoidal) Sheets

Width: 1000mm and 1092

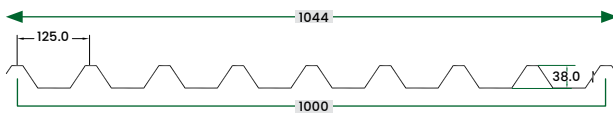
Thickness	Weight of Sheet (Kg.)	
	Per Sq. Mtr Sheet	Per Mtr Length
0.71	2.18	2.39
0.65	2.00	2.19
0.56	1.71	1.88
0.46	1.41	1.55
0.40	1.23	1.34



B. Troughed (Trapezoidal) Sheets

Width: 1000 mm and 1044 mm

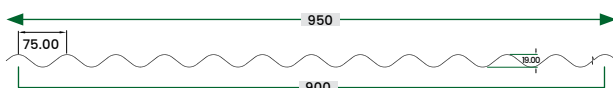
Thickness	Weight of Sheet (Kg.)		
	Per Sq. Mtr Sheet	Per Mtr Length	Per Mtr Length
(mm)		7/125 (920 mm)	8/125 (1044 mm)
1.22	4.33	3.97	4.50
0.91	3.23	2.96	3.36
0.71	2.50	2.31	2.62
0.65	2.31	2.12	2.41
0.56	1.96	1.82	2.07
0.50	1.77	1.63	1.85



C. Circular (Sinusoidal) Corrugated Sheets

Width: 800 mm, 950 mm and 1250 mm

Thickness	Weight of Sheet (Kg.)		
	Per Sq. Mtr Sheet	16/75 (1250 mm)	12/75 (950 mm)
(mm)			
1.22	3.72	4.71	3.66
0.91	2.77	3.51	2.68
0.71	2.14	2.74	2.09
0.65	1.98	2.47	1.89
0.56	1.68	2.15	1.65
0.50	1.52	1.91	1.43
0.35	1.07	1.32	1.02



D. Hi-Crest Sheets

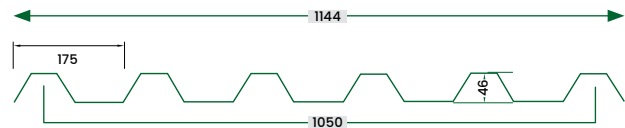
Width: 1040mm and 1144 mm

NEW

Thickness	Weight of Sheet (Kg.)	
	Per Sq. Mtr Sheet	Per Mtr Length
(mm)		
1	3.88	4.07
0.91	3.53	3.71
0.71	2.76	2.89
0.65	2.52	2.65
0.56	2.17	2.28

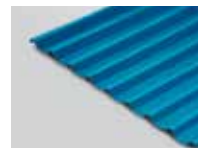
Note: 1) Per unit weight may increase up to 3% in case of colour coated sheets.

2) All figures are indicative only.



Conformance to Indian Standards	Schedule of Rates (SOR) of Govt. Bodies
Profile Dimensions of the Troughed (B) and Corrugated (C) sheets are as per IS 1254-2007 Compliance to chemical composition & mechanical properties as per IS 737-2008	Hindalco Everlast sheets qualify the SOR of • CPWD • Several state PWDs • Indian Railways • Engineers India Limited

RANGE OF PROFILES AND COLOURS



Troughed Sheets



Circular Corrugated Sheets



Modern Troughed Sheets



Hi-Crest Sheets

Note: Profiles available in other RAL shades also, subject to prior confirmation.



MARKETING AND REGISTERED OFFICE

Ahura Centre, B-Wing, 1st Floor,
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Mumbai 400 093 Tel: +91-6691 7000/7068

REGIONAL OFFICES

NORTH

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