

LUME TUFF TECHNICAL DATA SHEET (ALU-ZINC)

Brand Name	LUME TUFF		
Product Name	55% Aluminum zinc Alloy coated steel sheet		
Reference Standard	IS 15961		
Thickness Range (TCT) mm	0.20 to 1.20		
Width Range (mm)	900 to 1440		
Alu-Zinc Coating (GSM)	70		
Material Grade	Mechanical Properties		
	YS (Mpa)	TS (Mpa)	(%) Elongation@50 GL*
YS 250	250	320	25
YS 300	300	340	20
YS 350	350	420	15
YS 550	550	-	N.A.
*Note:-	Elongation applies to thickness equal to and greater than 0.60 mm (Base Metal)		
Surface Treatment	Thin Organic Coating (Acrylic coated Alu Zinc exhibits enhanced formability and corrosion resistance without the need for oils or lubricants)		
Resistance to corrosion	1000 hours Salt Spray Test Pass		
Logo Marking (Top Side)	APL APOLLO +LUME TUFF+ ISI Marking with license number		
Video Jet Printing	Thickness/GSM/Coil No.		
Properties	<ul style="list-style-type: none"> • Good corrosion resistance at high temperature • Good abrasion resistance due to high hardness • Excellent thermal and light reflectivity (SRI) • Alu-Zinc Coated Product provides at least twice corrosion protection with respect to Galvanised coated steel of equivalent coating thickness (AZ70 ≈ Z120) • 55 % Aluminium-Zinc alloy coating with higher electrochemical impedance than galvanised steel and therefore Provides greater barrier protection 		
Applications	Widely used in Roofing, Cladding and Structural Steel		