

**TRIMLOCK STEEL CLADDING/SIDING PANELS
 GRADE 33 DATA SHEET 55% ALUMINUM-ZINC ALLOY COATED STEEL
 55% ALUMINUM-ZINC ALLOY COATED STEEL-HOT-DIP
 ALUMINUM & ZINC ALLOY COATED STRUCTURAL STEEL
 WITH GUARANTEED MINIMUM YIELD STRENGTH, MEETS
 ASTM A792-09 SPECIFICATIONS/REQUIREMENTS.**

MATERIAL PROPERTIES			CHEMICAL COMPOSITION	
STEEL BASE Longitudinal tensile	GUARANTEED	TYPICAL RANGE	GUARANTEED MAXIMUM	PERCENT
Yield strength, min ksi	33	33-53	Carbon (C)	.20
Tensile Strength min ksi	45	45-64	Phosphorus (P)	.04
Elongation in 2", min %	20	20-30	Manganese (Mn)	1.35
			Sulfur (S)	.04
Hardness, HRB	-	50-70	See ASTM A 792 for more details	
SUPPLY CONDITION	STANDARD	OPTIONAL	FABRICATING PERFORMANCE (1-Limited to 5 Excellent NR-Not Recommended)	
Yield strength, min ksi	AZ50, AZ55	AZ35	Bending	5
Tension Leveling	Leveled		Drawing	NR
Surface Conditioning	Not Skin Passed	Skin Passed (Paint line Feed)	Pressing	NR
			Pittsburgh Lock Seam	4
			Roll- Forming	5
Chemical Treatment	Passivated		Welding *	5
			Painting **	5
* DESIGN MUST ALLOW FOR SOME STRENGTH REDUCTION NEAR WELDS.				
** MAXIMUM THICKNESS SUITABLE FOR ORGANIC COIL COATING IS 0.0466"				

GALVALUME STEEL USED FOR TRIMLOCK STONE TEX & PRE-PAINTED PANELS				
Ga Number	Decimal Equiv	Lbs per sq/ft	A.I.S.I. Tol Plus or Minus	Thickness mm +/-
26Ga Galvalume	.021	.906	.003	0.511
24Ga Galvalume	.027	1.156	.004	0.6858