

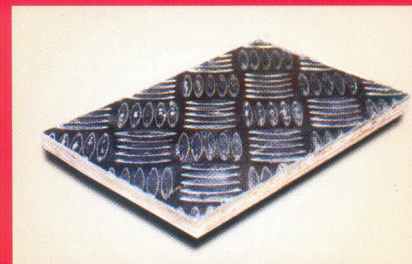
Aluminium Claded Chequered

Aluminium claded chequered bus flooring consist with treated hardwood and five bar 1.5mm thickness aluminium sheet is being manufactured in 3500 tonne capacity hot press by hot & cold process, It is high densified product and use unsaturated polyester resin and high degree polymer phenolic resin for its composing.

APPLICATION: Buses Deck, Heavy Automobile Floor, Paneling, Seats, Back Rest of Seats, It can be used for sound proofing, Reduction in temperature and vibrations.

ADHESIVE: (a) BWP Grade (b) Unsaturated Polyester resin with cobalt and celerator spread at all four side of aluminium sheet up to 4" wide.

THICKNESSES: 9 to 12 mm • SIZE: 8x4 feet • Al. Sheet Thicknesses: 0.8 MM to 1.5 mm
• Density: 0.845 to 1.00 gm/cm³



TECHNICAL SPECIFICATIONS (IS:13957)

	Dimensions	BIS Requirements	Observation Values
1.	Length	2440 + 6 - 6	2442mm
2.	Width	1220 + 3 - 0	1222mm
3.	Thickness	12mm	12.10mm
4.	Squareness	2mm/1000mm	0.55mm
5.	Edge Straightness	2mm/1000mm	0.50mm
6.	Workmanship & finish	Clause 7	Satisfactory
Physical Properties			
7.	Moisture Content	----	7.80%
8.	Bond Quality Test Boiling - Drying@60+ 2°c 4 Hrs. -20 Hrs. Third Cycles	a) No visible delamination glueline and plywood face & aluminium sheet	Satisfactory
		b) No forcible separation and fibre should be adhered with metal sheet	Satisfactory
9.	Breaking Strength	As per IICL - TB 001	480kgf
10.	Static Bending Strength Along the grain M.O.E. Across the grain M.O.E. Along the grain M.O.R. Across the grain M.O.R.	Avg. - 7500N/mm ² Ind. - 6700N/mm ²	15830.24 N/mm ² 9560.72 N/mm ²
		Avg. - 4000N/mm ² Ind. - 3700N/mm ²	14054.40 N/mm ² 8480.23 N/mm ²
		Avg. - 50 Ind. - 46	102.84N/mm ² 70.95N/mm ²
		Avg. - 30 Ind. - 27	95.40N/mm ² 60.20N/mm ²
		Along - 95MPa Across - 95MPa	112 MPa 103 MPa
		Along - 1300/Kg/cm ² Across - 1200/Kg/cm ²	1400/Kg/cm ² 1267/Kg/cm ²
11.	Tensile Strength	Along - 95MPa Across - 95MPa	112 MPa 103 MPa
12.	Cross breaking strength	Along - 1300/Kg/cm ² Across - 1200/Kg/cm ²	1400/Kg/cm ² 1267/Kg/cm ²
13.	Glue Strength	Along - 2200 N Across - 2000 N	2700 N 2400 N
14.	Impact Strength	Along - 70/Kg/cm ²	75 Kg/cm ²
		Across - 70/Kg/cm ²	74 Kg/cm ²