

Aludecor Compliance Statement

S.No.	Parameters	Unit	Standards	Aludecor AL33
Product Composition				
1	Alloy	....	....	AA 1100
2	Skin Thickness	mm	....	0.25
3	Core Material	....	....	Virgin + First Grade Recycled LDPE
Product Dimension and Tolerance				
4	Thickness of Panel	mm	....	3
5	Panel Size	mm	....	Width = 1220 mm Length = less than 6000 mm
6	Tolerance in Width	mm	....	±2.0 mm
7	Tolerance in Length	mm	....	±4.0 mm
8	Tolerance in Thickness (Panel)	mm	....	±0.2 mm
9	Tolerance in Thickness (Coil)	mm	....	±0.03mm
10	Squareness	mm	....	Maximum 5.0mm
11	Bow	mm	....	Maximum 0.8% of width and / or length
12	Paint Thickness	mm	....	Double Coat: SDP - 24 μ - 28 μ Triple Coat - SDP - 30 μ - 35 μ
Mechanical Properties				
5	Tensile Strength	N/mm ²	ASTM E8	Min 140
6	0.2% Proof Stress	N/mm ²	ASTM E8	Min 90
7	Elongation	%	ASTM E8	Min 7%
8	Peel off	N/mm	ASTM D 903	Min 4
9	Shear Strength	N/mm ²	ASTM D 732	Min 18
10	Water Absorption	%	ASTM D 570	Min 0.2
Thermal Properties				
11	Thermal Resistance (R Value)	m ² K/W	DIN 4108	0.0069
12	Heat Transition Coefficient (U Value)	W/ m ² K	DIN 52612	145
Surface Properties				
13	Gloss (60°)	%	ASTM D523-89	5 - 80
14	Colour Retention	Hrs	AAMA 2604	Fade = 5 Delta E
15	Chalk Resistance		AAMA 2604	Chalk = 8
16	Gloss Retention		AAMA 2604	30 % Gloss Retention
17	Salt Spray	Hrs	AAMA 2604	3000 hrs