

CF/SPEC/ALUM/PANEL-II/2021 S No 1119 2/11
Aluminum Composite Panel 3.5mm
SPARKLING SILVER SHEET

One sheet 4 feet x 8 feet sample required along with aluminum skin sample to test the coating and foil thickness

Dimensions

Length = 2440mm

Width = 1220mm

Thickness = 3.5mm

Tolerance in length and width = 0.2%

Tolerance in thickness = ± 0.2 mm

Front face specs:

Aluminum sheet thickness front: ≥ 0.22 mm

Color: Sparkling Silver pearl glossy

Coating type ISO 2360:2003: anti-graffiti

Thickness of coating ≥ 30 um

Back aluminum sheet specs:

Coating type ISO 2360:2003: PE paint / ash white color

Aluminum sheet thickness back: > 0.16 mm

Thickness of coating ≥ 15 um

Aluminum sheet/ Coating on Aluminum sheet should both be Fire proof (under normal atmospheric pressure)

The panel must be resistant for safe use in Pakistan railways coaches (German) as per PR wiring standards using 230/240 volts single/three phase Ac system. It must withstand the mentioned voltage level and must not conduct when in contact with any phase of opening

Weight per SQM ≤ 4000 grams

Water resistance: 100 % Water Proof (no weight increase upon water submersion)

Front face should have heat pressed surface protection sticker

Bending strength ASTM D790-17 ≥ 100 MPa

180 degree peel strength ASTM D903-98 ≥ 150 N

Elongation for core Material ASTM D638-14 $\geq 350\%$

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20/5/21
H. D. D. M. B.