



FOSHAN KUN LIU SHENG COMPOSITE MATERIAL CO.,LTD

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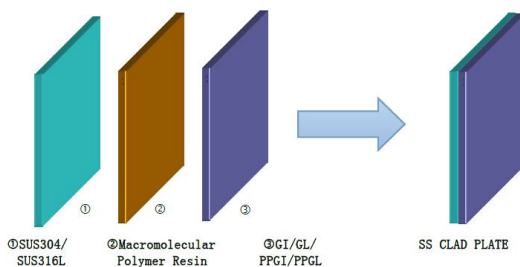
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Stainless Steel Clad Plate

A Revolutionary Advance Material For Elevator

Stainless steel clad plate for elevator is combined by stainless steel 304/316L and GI (Galvanized Iron)/GL/PPGI/PPGL through the macro-molecular resin to joint the two metal together. The biggest width of the coil is 1219 mm,with 4 different thickness in 1.0mm/1.2mm/1.5mm/2.0mm.surface treatment on the stainless steel side is available.

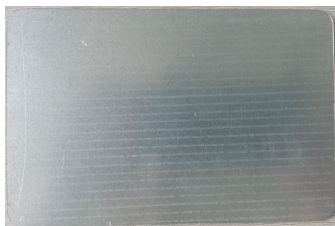


The key features are:

- (1)Vibration absorb
- (2)Sound insulation
- (3)Electricity insulation
- (4)Save the cost
- (5)Durable as pure stainless steel



(Stainless steel side)



(GI side)



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Specification

Item	Width	Length	Surface	Thickness of combination (mm)			
				1.0	1.2	1.5	2.0
Stainless steel	≤1219mm	C	Hairline polished	0.25	0.25	0.25	0.25
Polymer resin			--	0.1	0.1	0.1	0.1
GI sheet			80~100g/m ²	0.65	0.85	1.15	1.65

Chemical Property

Testing Item	Testing method	Testing Standard	Test Result
Cold resistance	high low temperature test box	a temperature of - 25℃ , 100h without stripping	No split
Heat resistance		80℃ , 2h, no split	No split
Environment testing		-50℃ , keep 8h, 100℃ , keep 8h, a total of 5 circles	no ctracking, float, twisted, peeling, fad
wet resistance		85℃ , keep 1h,-25℃,keep 1h, a total of 10 circles	no split
temperature shock		(49±1)℃,95%RH,500hrs	no split
chemical reagents resistance		For drug resistance test based on ASTM D543, the following 10% acetic acid solution 40% sodium hydroxide, 20% sodium carbonate solution samples in the soulution for 48 hour	no split
acid resistance		2% sukfonic acid soaked in 24h	no split
alkali resistance		Saturated lime water for 24h	no split
weather resistance	light climate test machine	light intensity: 0.55W/m2 (340nm) , black mark temperatureis 63℃,relative humidity 50%; light: 102min, light+Spray: 18min;	no split
RoHS six items		Accoding to the method of IEC62321 Edition 1.0:2008:limit determination procedure using substances in electrical and electronic products	Meet the requirement of RoHS 2011/65/EU Appendix II

Physical Property

Testing Item	Testing method	Testing standard	Test result
tensile strength Rm	GB/T228-2002	temperature 23±2℃ , humidity 50%±5% (RH)	≥650MPa
yield strength RP0.2			≥310 MPa
Elongation A50mm			≥43%
bengding strength	Lm=100mm Fm=125.98N	temperature 23±2℃ , humidity 50%±5% (RH)	30.12mm
Bending elastic modulus Fm			126GPa
vickers hardness	vickers	temperature 21℃ , humidity 47%RH	> 160
Peel strength	GB/T 7122-1996	temperature 23±2℃ , humidity 50%±5% (RH)	≥18N