

AligLOSS - PRODUCT DATA SHEET

Aluminium Sheet Quality Certificate & Painted aluminium sheet Quality Certificate

NO.	test item		standard index	test value	single item determination
1	visual quality	burrs, deformation, dent or damage	not allowed	no	eligible
		dirty or stain marks, impurities(dust, grease)	not allowed	no	eligible
		skip painting	not allowed	no	eligible
		scratch	not allowed on top	no	eligible
		scratch	slight allowed	not obvious	eligible
2	dimension Tolerance	length	±3.5mm	0.0mm ~ +1.0mm	eligible
		width	±2mm	0.0mm ~ +1.0mm	eligible
		thickness	±0.1mm	- 0.04mm ~ +0.08mm	eligible
		aluminium sheet	±0.02mm	- 0.01mm ~ +0.01mm	eligible
		squareness	≤5mm	0.9mm	eligible
		Flatness	≤5mm/m	1.8mm/m	eligible
3	Main technical specification	180 peel strength	average ≥7N /mm	average ≥7N /mm	eligible
		coat thickness	average ≥18µm	average ≥18µm	eligible
		coating rigidity	≥H	2H	eligible
		bending strength	≥40MPa	60MPa	eligible
		PE core layer:	100% LDPE	**	eligible

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NO.	Test item	Standard index	Test Result	
1	Coating thickness	ECCA-T1[1995]Comply with customer standard	Polyester Paint	
2	Gloss Deviation	ECCA-T2[1995]30 (60 °) +/- 5 E	Gloss	80%
3	Colours Deviation	ECCA-T3[1995] $\Delta E \leq 0.8$ (CIE - L a b - system)	ΔE	0.7-0.9
4	Pencil hardness	ECCA-T4[1995] $\geq H$	2H	
5	Impact resistance test	ECCA-T5[1995] 1 kg of weight falls from specified heigh	no detainting no cracking	
6	T-Bending	ECCA-T7[1996] OT Without severe cracks	1T	
7	Coating adhesive	not lower than class 1	not lower than class 0	
8	MEK-test	ECCA-T11[1999]	Over 200	
9	Acid Resistance	70% HNO ₃ 30mins	N/A	
10	Boiling test	Bended sheets 1.0T after 5 minutes in boiling water	without cracks	
11	Tensile Strenght	125(Mpa)	≥ 135	
12	Yield strength	≥ 130 (Mpa)	≥ 130	
13	Elongation	$\geq 3\%$	$\geq 3\%$	
Si+Fe		Cu	Mn	Mg
0.950%		0.030%	/	/
Zn	Ti	others	total others	AL
0.100%	0.010%	$\leq 0.05\%$	<0.050%	$\geq 99\%$