



مصنع الألواح الذهبية
BOND

TECNICAL DATA SHEET 4mm

CATEGORY	TEST STANDARD	TEST PROCEDURE	REQUIREMENT	4MM	6MM	RESULT
MECHANICAL TEST	CALIBRATED CALIPER	THICKNESS OF THE PANEL	±0.2	4.092MM	6.182mm	PASSED
	Top Aluminum Skin	THICKNESS OF THE Skin	.5 mm	.5±.05	.5±.05	PASSED
	Back Aluminum Skin	THICKNESS OF THE Skin	.5mm	.5±.05	.5±.05	PASSED
	CALIBRATED WEIGHING DEVICE	WEIGHT OF THE PANEL	≥7.8 kg/m ² for 4mm ≥10.85 kg/m ² for 6mm	6 kg/m ²	8 kg/m ²	PASSED
	ASTM C 273	SHEAR STRENGTH	≥3.2 Mpa	3.49	4.35	PASSED
	ASTM D 1781	PEEL OFF TEST	>10 KG/25mm	17.3kg/25m m		PASSED
	ASTM C 518	THERMAL CONDUCTIVITY	MEASURE VALUE	0.13W/mK	0.10W/mK	PASSED
	ASTM C 481 (CYCLE A)	WEATHERING RESISTANCE	A. SHEAR STRENGTH NO EFFECTS WHEN TEST AS PER ASTM C 273 B. FILM ADHESION NO EFFECTS WHEN TEST AS PER AAMA 2605(CLAUSE 7.4) C. IMPACT RESISTANCE NO EFFECTS WHEN TEST AS PER AAMA 2605(CLAUSE 7.5)	A. 3.45MPA B. FILM ADHESION B.1 DRY ADHESION - NO REMOVAL OF FILM WAS OBSERVED B.2 WET ADHESION - NO REMOVAL OF FILM OBSERVED B.3 BOILING WATER - NO REMOVAL OF FILM OBSERVED C. IMPACT RESISTANCE - NO REMOVAL OF FILM OBSERVED	PASSED	
COATING PERFORMANCE	AAMA 2605	CORROSION RESISTANCE	A. HUMIDITY RESISTANCE- NO FORMATION OF BLISTER TO EXTENT GREATER THAN "FEW" BLISTER SIZE # AS SHOWN IN FIG. 4 OF ASTD 714. B. SALT SPAY RESISTANCE: MINIMUM RATING OF 7 ON SCRIBE OR CUT EDGES.AND A MINIMUM BLISTER RATING OF 8 WITHIN THE TST SPECIMEN.FEILD IN ACCORDANCE WITH TABLE1 AND 2OF AAMA2605	Humidity Resistance: No formation of Blisters Salt Spay Resistance: a. Rating of 9 on scribed b. Ratings of 10 on unscribed		PASSED
	ASTM D 1400	COATING THICKNESS	≥25 µm	30.1µm		PASSED
	ASTM D 968 (METHOD A)	ABRASION RESISTANCE	>50/mil	368.1 L/mils		PASSED
	ASTM D 3363	PENCIL HARDNESS	≥2H	>3H		PASSED
	AAMA 2605 (CLAUSE 7.4)	FILM ADHESION	NO LOSS OF ADHESION	NO PEELING OF FILM NOR BLISTERING ANYWHERE WAS OBSERVED		PASSED
	AAMA 2605 CLAUSE 7.5	IMPACT RESISTANCE	NO REMOVAL OF FILM SUBTRATE	NO REMOVAL OF FILM SUBTRATE		PASSED

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