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PRO MEDIA

Technical Data Sheet for ProMedia AluBond

Test Item			Requirements of Standard (GB/T 17748-2008)	Test results	Individual Conclusion
Dimensions Deviation	Length		+/-3MM	3050 MM, 2440MM	PASSED
	Width		+/-2MM	1500 MM, 1220MM	PASSED
	Panel Thickness		+/-0.2MM	3 MM	PASSED
	Diagonals Wind age		≤5MM	0.4 MM	PASSED
	Bent edge		≤1mm /M	0.2 mm / M	PASSED
	Warp edge		≤5mm / M	1.4 mm / M	PASSED
Aluminium thickness			0.21mm	Front Alu and Back Alu : 0.21 mm	PASSED
Core	Caco3Content		≤40%	36%	PASSED
Appearance quality	Vestige		Not Allowed	NO	PASSED
	Coating Omit		Not Allowed	NO	PASSED
	Wave		Not Allowed	NO	PASSED
	Bubble		Not Allowed	NO	PASSED
	Spot		≤3MM and ≤ 3/m	NO	PASSED
	Abrasion		Not Allowed	NO	PASSED
	Colour Uniformity		Indistinct	Indistinct	PASSED
Bending strength		≥100MPa	Front Longitudinal	110MPa	PASSED
			Front Lateral	105MPa	PASSED
			Back Longitudinal	125MPa	PASSED
			Back Lateral	119MPa	PASSED
Bending Elastic Modulus		2.0x104MPa	Front Longitudinal	3.4x104MPa	PASSED
			Back Longitudinal	3.3x104MPa	PASSED
			Back Lateral	3.4x104MPa	PASSED
Abrasion Resistance			≥5L/μm	5.6L/μm	PASSED
Boiling Water Resistance			No Abnormity	No Abnormity	PASSED
Pollute Resistance			≤5%	1.6%	PASSED
Hydrochloric Acid Resistance			No Change	No Change	PASSED
Paint Thickness			Average ≥18μm, Min ≥17μm	Average 18μm, Min.17μm	PASSED
Gloss Tolerance			≤10	Tolerance 1.4	PASSED
Surface Pencil Hardness			≥HB	2H	PASSED
Flexibility			≤2T	2T	PASSED
Coating Adhesion			Class 0 , Class1	Class 0, Class 1	PASSED

Impact Resistance		≥50kg·cm , No De-painting, No Crack	≥50kg·cm , No De-painting, No Crack	PASSED
Nitric Acid Resistance		No Abnormality ΔE≤5	No Abnormality ΔE≤0.28	PASSED
Alkali Resistance		No Abnormality ΔE≤2	No Abnormality≤0.23	PASSED
Oil Resistance		No Change	No Change	PASSED
Solvent Resistance		No Base Exposed	No Base Exposed	PASSED
Thermal Expansion Co-efficient		≤4.00 x10^{-5}°C^{-1}	1.67 x10^{-5}°C^{-1}	PASSED
Heat Distortion Temperature		≥95°C	101°C	PASSED
Penetrating Resistance		≥7.0kN	9.6kN	PASSED
Shearing Strength		≥22.0MPa	29.8MPa	PASSED
40000h Salt Spray Resistance		≤grade1	grade1	PASSED
Temperature cycle resistance	Decrease rate of peel strength	≤10%	0%	PASSED
	Coating Adhesion	Class 0 , Class1	Class 0 , Class1	PASSED
	Appearance	No Change	No Change	PASSED
Peel Strength		Average ≥130N·mm / mm Min ≥120N·mm / mm	Front Longitudinal: Average 131N·mm/mm Min.120N·mm/mm	PASSED
			Front Lateral: Average 132N·mm/mm Min.121N·mm/mm	PASSED
			Back Longitudinal: Average 132N·mm/mm Min.120N·mm/mm	PASSED
			Back Lateral: Average 161N·mm/mm Min.137N·mm/mm	PASSED
4000h Artificial weathering	Colour Uniformity	≤4.0	1.39	PASSED
	Degradation of gloss	≤grade 2	grade 2	PASSED
	Others	grade 0	grade 0	PASSED

We guarantee that there are no abnormal color changes and peeling off paint within 5 - 7 years from production time. The batch number must correlate with each aluminium sheet panel. The above guarantee must include the following items:

1. The product must accord with the quality standard GB/17748-2008.
2. Normal molding process and specification installation is required.
3. This warranty does not apply to damage caused by chemical substances, it only covers for normal conditions.
4. Based on this guarantee, please inform us immediately if any abnormal situation occurs. The product is not directly exposed to the sea water spray and it is necessary to ensure that the location of the product is 1500 feet away from the coastline. Otherwise, it is not covered within the warranty.
5. This guarantee is valid if points 1 - 4 above are met, otherwise it is considered invalid.

PLEASE NOTE: The information provided above serves as a mere guide. We highly recommend conducting a compatibility test of our products before final use on a project.