

M/s. VIVA COMPOSITE PANEL (P) LTD.
Survey NO. 85/8, 85/9,85/10, 68/1, 70/14
Post -Khatal Wada , Mankepur Road,
Opp Poultry Farm, NR Apar Industries Ltd,
Tal Umbergaon, Station - Sanjan Valsad,
Gujarat - 396120

May 28, 2018

Reference No: -Mail on dated 20/05/2018

Job No. IN/ASK-05/18-19

Dear Sir,

Subject: "VIVA 4mm Thickness, PVDF Coating Aluminium Composite Panel"

Please find hereby the test results of ACP samples submitted.

Sr. No.	Test Parameters	Test Method	Minimum Requirement	Results
A				
Physical properties of VIVA 4 mm, ACP				
1	Panel thickness	Measured	4.00mm	4.00
2	Tensile strength	ASTM D 638	40.0 N/mm ²	45.0 N/mm ²
3	0.2% Proof Stress	ASTM D 638	34.0 N/mm ²	40.4 N/mm ²
4	Elongation	ASTM D 638	6.0%	6.4 %
5	Peel test (Drum Peel Test)	ASTM D 903	4.0 N/mm	10.8 N/mm
6	Flexural Strength	ASTM C 393	130 N/mm ²	139 N/mm ²
7	Shear strength with Punch shear test	ASTM D 732	18 N/mm ²	19.1 N/mm ²
B				
Properties of Aluminium Skin/ Coil				
1	Skin thickness	Measured	0.5 mm	0.50
2	Tensile strength	ASTM E8	150 N/mm ²	185 N/mm ²
3	0.2% Proof Stress	ASTM E8	130.N/mm ²	176.0 N/mm ²
4	Elongation	ASTM E8	2. %	3.5%
5	Modulus of Elasticity	ASTM E 8	70,000 N/mm ²	70,000 N/mm ²
Coating properties of ACP				
1.	Coating Thickness	ASTM D 7091	µm	26 µm
2.	Coating Type	Chemical	PVDF	PVDF
3.	Pencil Hardness	ASTM D 3363	B/H	H
4.	Cross hatch adhesion test	ASTM D 3359	5B	5B

Test results pertain to sample submitted to us.


A.S. Khanna

Prof. A. S. KHANNA

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