

M/s. Viva Aluminium Panel (P) Ltd.
Unit No 7, New Tejpal Industrial Estate,
Andheri-Kurla Road, Sakinaka, Andheri (E)
Mumbai- 400072
Reference letter: dated 15. 04.2013

April 20, 2013

Our job No.: IN/ASK-46/12-13

Dear Sir,

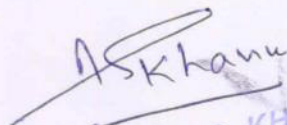
Sub: Testing of the ACP Sample Brand VIVA

Find hereby the test results ACP Sample carried out for ACP samples submitted to us.

Sr. No.	Test	Methods	Unit	Results	
				3 mm	4 mm
1	ACP PVDF	D 7091	Visual	Passes	Passes
2	ACP Coatings thickness		μm	26.8	26.4
3	Panel Thickness		mm	3.0	4.0
4	Weight	ASTM D 903	Kg/m^2	3.5	5.2
5	180° Peel strength	E 8	N/mm^2	4.34	10.69
6	Tensile Strength	E 8	N/mm^2	24.8	38.35
7	Elongation	ASTM D 790	%	8.07	5.7
8	Flexural Strength		N/mm^2	65.8	98.7
9	Skin thickness	E 8	mm	0.25	0.50
10	Tensile Strength	E 8	N/mm^2	103.6	118.4
11	Elongation	D 4060	%	3.326	3.58
12	Taber Abrasion (C 17 Wheel) 1000 cycles	ASTM D 1308	mg	30	32
13	Muriatic acid, 10% HCL; 15 min	ASTM D 1308	Minute	Passes	Passes
14	Sulphuric acid, 20% H ₂ SO ₄ , 18 hrs	ASTM D 1308	hrs	Passes	Passes
15	Nitric acid, 70% HNO ₃ , 30 min		Minute	Passes	Passes

Test results Test results pertain to sample submitted to us.

A.S.Khanna


Prof. A. S. KHANNA
Corrosion Science & Engineering
I.I.T. BOMBAY
Powai, Mumbai - 400 076.