

IIT Bombay

Prof. A. S. Khanna
(Fellow NACE, Fellow ASM, Fellow AvH)

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Chairman - SSPC India
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M/s Viva Aluminium Panel (P) Ltd.
Unit No 7, New Tejpal Industrial Estate,
Andheri-Kurla Road, Sakinaka, Andheri (E)
Mumbai- 400072

20 April, 2015

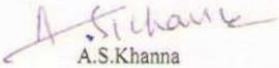
Job No: IN/ASK-46/15-16

Subject: Testing of the ACP Sample Brand Viva

Dear Sir,

Please find hereby the test results ACP sample carried out for ACP sample submitted to us.

Sr. No.	Test	ASTM	Unit	Results
Description of tests				
1	ACP thickness	Visual Check	mm	4.0
2	Weight of ACP	Visual Check	Kg/ m ²	5.5
3	Density	Visual Check	g/ cm ³	1.38
4	Polyethylene Core Density	D 1505	gm/ cm ³	0.92
Surface				
5	Lacquering PVDF		----	PVDF
6	Gloss at 60° angle	D 523	%	30
7	Pencil hardness	D 3363	----	5H
8	Coating thickness	D 7091	µm	32.0
9	Cross Hatch	D3359	----	5 A
10	QUV Stability @ 500 h.	D 523		Passes
11	Flexural Elasticity	C 329	Kg/ mm ²	4080


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Corrosion Science & Engineering
I.I.T. BOMBAY
Powai, Mumbai - 400 076.

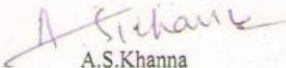
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12	Tensile strength	E 8	N /mm ²	52.5
13	Yield strength	E 8	N / mm ²	40
14	Peel Adhesive Strength	KSF - 4737	N/ mm	215
15	% Elongation	E 8	%	14
16	Chemicals Analyses of the cover Sheet [A] 10% NaOH [B] 10% H ₂ SO ₄ [C] 10% HCL [D] Detergent	AAMA 2605	No damage observed	Passes Passes Passes Passes
Properties of Skin				
17	Cover sheet thickness	Visual Check	mm	0.5
18	Tensile strength	E 8	N /mm ²	130
19	Yield strength	E 8	N /mm ²	90
20	% Elongation	E 8	%	10
21	Modulus of elasticity	E 8	N /mm ²	7000
Thermal Properties				
22	Linear Thermal Expansion	D 696	mm/M/100°C	2.5
23	Heat Transmission Co-efficient	Visual Check	W/M ² K	5.66
Acoustical Properties				
24	Sound Transmission loss	E 413	db	26

Test results pertain to sample submitted to us.


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