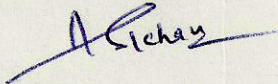


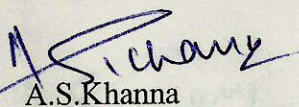
Sr. No.	TEST	UNIT	ASTM Standard	3mm (Blue)	3mm (Silver Grey)
<b>Physical Properties of Composite</b>					
1.	Panel weight	kg/m <sup>2</sup>		4.035	3.834
2.	ACP thickness	mm		3.11	3.00
3.	Density	gm /cm <sup>3</sup>		1.2923	1.2976
<b>Mechanical Properties of Composites</b>					
4.	Tensile strength	N/mm <sup>2</sup>	D 638	28.18	30.15
5.	Yield strength	N/mm <sup>2</sup>	D 638	22.30	23.65
6.	Elongation	%	D 638	4.5	5.2
7.	Flexural strength	N/mm <sup>2</sup>	D 790	76.71	78.14
8.	Peel strength	N/mm	D 908	5.1	5.25
9.	Punch Shear Strength	N/mm <sup>2</sup>	D 732	19.07	20.21
<b>Mechanical Properties of Aluminum Skin</b>					
10.	Tensile strength	N/mm <sup>2</sup>	E 8	100.25	104.8.
11.	Yield strength	N/mm <sup>2</sup>	E 8	91.3	94.6
12.	Elongation	%	E 8	4.45	4.86
13	Al Skin thickness	mm	-	0.23	0.25
<b>Properties of Coating</b>					
14.	Coating Type	-	Chemical Test	PE	PE
15	Coating thickness	m	Elcometer	21.0	19.0
16.	Taber abrasion	mg loss per 1000 cycles	D 4060	6.0	3.8
17.	Pencil Hardness			4 H	4H

  
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18.	Initial Gloss		D 523	42.3	22.15
19.	Gloss Retention (500h)	%	D 523	98.1	82
20	Colour Retention	$\Delta E$	D 2244	1.04	0.19
21	Chalking	Visual		No Chalking Observed	No Chalking Observed
22	Salt Spray 500h	Visual	B 117	Pass	Pass
23	Humidity	Visual	D 2247	Pass	Pass
24	Immersion Tests 1. 10% HCl 2. 10% NaOH 3. Detergent	Visual		Pass Pass Pass	Pass Pass Pass

Test results conform to the samples submitted to us.

  
A.S.Khanna

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