

Surface Engineering & Coating Consultant
A Reliable Paint Testing & Certification Laboratory



Test Report

Date: 03/02/2020

M/s. Keybond Industries LLP
17, super house, Amar Industrial Estate
CST Road Kalina santacruz (east)
Mumbai - 400098 India.

Ref. No. Mail dated: 23/01/2020
Sample Received: 24/01/2020
Testing Date: 25/01/2020
URL: TC8480190000000039P

Project No: SECC-120/C/2020

Dear Sir,

Sample Detail: Color code- SB 451
Color name- Black Silver
Panel thickness- 4mm (0.25)
Grade- PVDF

Subject: - Laboratory Test of the SB-451 Black Silver ACP.

Brand Name: - SUPERBOND.

Sr. No.	Test Method	Conditions	Results
A	Physical properties of ACP		
1	Panel thickness Measured	Temperature 23±2°C Relative Humidity 50±5%	4.06mm
2	Tensile strength ASTM D 638	Temperature 23±2°C Relative Humidity 50±5%	37.9 N/mm ²
3	0.2% Proof Stress ASTM D 638	Temperature 23±2°C Relative Humidity 50±5%	32.2 N/mm ²
4	% Elongation ASTM D 638	Temperature 23±2°C Relative Humidity 50±5%	7.0%
5	Peel test ASTM D 903	Temperature 23±2°C Relative Humidity 50±5%	2.0N/mm
6	Flexural Strength *ASTM D790	Temperature 23±2°C Relative Humidity 50±5%	57.54 N/mm ²
7	Flexural Modulus *ASTM D790	Temperature 23±2°C Relative Humidity 50±5%	6862.55 N/mm ²
8	Shear strength with Punch shear test ASTM D 732	Temperature 23±2°C Relative Humidity 50±5%	18.2 N/mm ²

S. Satil

Project No: SECC-120/C/2020, Rev0, URL:TC8480190000000039P, 'Laboratory Test of the SB-451 Black Silver ACP. Brand Name SUPERBOND)'

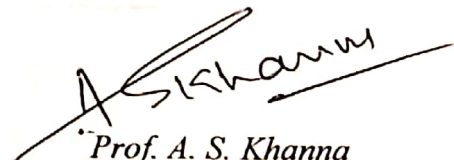
Properties of Aluminium Skin/ Coil			
B			
1	Skin thickness Measured	Temperature 23±2°C Relative Humidity 50±5%	0.27 mm
2	Tensile strength ASTM E8	Temperature 23±2°C Relative Humidity 50±5%	88.5 N/mm ²
3	0.2% Proof Stress ASTM E8	Temperature 23±2°C Relative Humidity 50±5%	83.4 N/mm ²
4	% Elongation ASTM E8	Temperature 23±2°C Relative Humidity 50±5%	3.59%
5	Modulus of Elasticity ASTM E 8	Temperature 23±2°C Relative Humidity 50±5%	6620 N/mm ²
C	Coating properties of ACP		
1.	Coating Thickness ASTM D 7091	Temperature 23±2°C Relative Humidity 50±5%	25.2 µm
2.	Coating Type by Chemical	Temperature 23±2°C Relative Humidity 50±5%	PVDF
3.	Pencil Hardness ASTM D 3363	Temperature 23±2°C Relative Humidity 50±5%	2H
4.	Cross hatch adhesion test ASTM D 3359	Temperature 23±2°C Relative Humidity 50±5%	4B

-This report contains the results pertain to the test samples submitted to Surface Engineering and Coating Consultant (SECC). This report should only be reproduced in full with the permission of SECC. We do not accept any liability if this report is used for an alternative purpose from which it is intended. No addition to, deviation or exclusion from the test methods used were done. *NABL Accredited Test.

--End of the Report--


Mr. Akshay Patil
(Technical Manager)




Prof. A. S. Khanna
(Approval Authority)

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Project No: SECC-120/C/2020, Rev0, URL:TC848019000000039P, 'Laboratory Test of the SB-451 Black Silver ACP. Brand Name SUPERBOND)'.
Page 2 of 2