



# SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH

(A unit of Shriram Scientific and Industrial Research Foundation)

19, University Road, Delhi - 110007 (India)  
An ISO - 9001, 14001 & OHSAS 18001 Certified Institute

Website : [www.shriraminstitute.org](http://www.shriraminstitute.org)  
E-mail id : [customercare@shriraminstitute.org](mailto:customercare@shriraminstitute.org)

## TEST CERTIFICATE

NO. : C1/0000113630

### Issued To:

Client Code : V0494  
VIVA COMPOSITE PANEL [P] LTD  
SURVEY NO 85/8, 85/9, 85/10, 68/1, 70/14  
AT POST KHATALWADA, MANEKPUR  
ROAD  
OPP POULTRY FARM, NR. APAR  
INDUSTRIES LTD  
TAL UMBERGAON, STN. SANJAN  
VALSAD  
GUJARAT-396120  
Kind Attn: MR GEET

Date 31/01/2018

Job No. 1801-1-141-2731

Booking No. RG1718/1/9743

Booking Date 19/01/2018

Customer Ref No. PO NO VIVA/107/17-18

Customer Ref Date 02/01/2018

### Sample Description :

ONE SAMPLE DESCRIBED AS ACM 3MM ACM 0.25 [ALUMINIUM THICKNESS], WAS RECEIVED.

The sampling was not carried out by Shriam Institute for Industrial Research. The sample description provided in the test certificate are based on the decalaration by the party.

S.No	Tests	Results	Protocol/ Instrument Used
1.	Peel of Strength, N/mm	6	ASTM D903 - 98(2017)
2.	Tensile Strength, MPa	33	ASTM E8/8M-15a
3.	Elongation , %	8	ASTM E8/8M-15a
4.	0.2% Proof Stress,%	29	ASTM E8/8M-15a
5.	Flexural Strength, MPa	82	ASTM D790 - 17
6.	Flexural Modules, MPa	25290	ASTM D790 - 17
7.	Shear Strength, MPa	11	ASTM D 732-10
8.	ALUMINIUM COIL MECHANICAL PROPERTIES		
	a) Tensile Strength, MPa	143	ASTM E8/E8M -15a
	b) 0.2 % Proof Stress, MPa	133	ASTM E8/E8M -15a
	c) Elongation,%	4	ASTM E8/E8M -15a
	d) Modulus of elasticity, MPa	27518	ASTM E8/E8M -15a

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DOR: 19-01-2018

DOC: 31-01-2018

AUTHORISED SIGNATORY  
EMPLOYEE CODE : (MS9)

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## TEST CERTIFICATE

NO. : C1/0000113616

### Issued To:

Client Code : V0494  
VIVA COMPOSITE PANEL [P] LTD  
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AT POST KHATALWADA, MANEKPUR  
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VALSAD  
GUJARAT-396120  
Kind Attn: MR GEET

Date 31/01/2018

Job No. 1801-1-141-2729

Booking No. RG1718/1/9743

Booking Date 19/01/2018

Customer Ref No. PO NO VIVA/107/17-18

Customer Ref Date 02/01/2018

### Sample Description :

ONE SAMPLE DESCRIBED AS ACM 4MM ACM 0.50 [ALUMINIUM THICKNESS], WAS RECEIVED.

The sampling was not carried out by Shriam Institute for Industrial Research. The sample description provided in the test certificate are based on the decalaration by the party.

S.No	Tests	Results	Protocol/ Instrument Used
1.	Peel of Strength, N/mm	8	ASTM D903 - 98(2017)
2.	Tensile Strength, MPa	46	ASTM E8/8M-15a
3.	Elongation , %	14	ASTM E8/8M-15a
4.	0.2% Proof Stress,%	42	ASTM E8/8M-15a
5.	Flexural Strength, MPa	86	ASTM D790 - 17
6.	Flexural Modules, MPa	15336	ASTM D790 - 17
7.	Shear Strength, MPa	20	ASTM D 732-10
8.	ALUMINIUM COIL MECHANICAL PROPERTIES		
	a) Tensile Strength, MPa	183	ASTM E8/E8M -15a
	b) 0.2 % Proof Stress, MPa	170	ASTM E8/E8M -15a
	c) Elongation,%	5	ASTM E8/E8M -15a
	d) Modulus of elasticity, MPa	38002	ASTM E8/E8M -15a

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## TEST CERTIFICATE

NO. : C1/0000413620

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Client Code : V0494  
VIVA COMPOSITE PANEL [P] LTD  
SURVEY NO 85/8, 85/9, 85/10, 68/1, 70/14  
AT POST KHATALWADA, MANEKPUR  
ROAD  
OPP POULTRY FARM, NR. APAR  
INDUSTRIES LTD  
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VALSAD  
GUJARAT-396120  
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Date 31/01/2018

Job No. 1801-1-141-2730

Booking No. RG1718/1/9743

Booking Date 19/01/2018

Customer Ref No. PO NO VIVA/107/17-18

Customer Ref Date 02/01/2018

### Sample Description :

ONE SAMPLE DESCRIBED AS ACM 4MM ACM 0.25 [ALUMINIUM THICKNESS], WAS RECEIVED.

The sampling was not carried out by Shriram Institute for Industrial Research. The sample description provided in the test certificate are based on the decalaration by the party.

S.No	Tests	Results	Protocol/ Instrument Used
1.	Peel of Strength, N/mm	6	ASTM D903 - 98(2017)
2.	Tensile Strength, MPa	28	ASTM E8/8M-15a
3.	Elongation, %	8	ASTM E8/8M-15a
4.	0.2% Proof Stress, %	22	ASTM E8/8M-15a
5.	Flexural Strength, MPa	48	ASTM D790 - 17
6.	Flexural Modules, MPa	10784	ASTM D790 - 17
7.	Shear Strength, MPa	11	ASTM D 732-10
8.	ALUMINIUM COIL MECHANICAL PROPERTIES		
	a) Tensile Strength, MPa	137	ASTM E8/E8M -15a
	b) 0.2 % Proof Stress, MPa	123	ASTM E8/E8M -15a
	c) Elongation, %	5	ASTM E8/E8M -15a
	d) Modulus of elasticity, MPa	34053	ASTM E8/E8M -15a

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