



SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH

(A unit of Shriram Scientific and Industrial Research Foundation)

19, University Road, Delhi – 110007 (India)
An ISO - 9001, 14001 & 45001 Certified Institute

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E-mail id : customer@shriraminstitute.org
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ULR NO. : TC544423000002217F

TEST REPORT

NO : C1/0000318041

Issued To :

Client Code : (SRIN01C1288)
CENTRAL PUBLIC WORKS DEPARTMENT
OFFICE OF THE ASSISTANT ENGINEER,
AIIMS AWANTIPORA, E-02, (TYPE-V),
GPRA COLONY, BEMINA
SRINAGAR
JAMMU & KASHMIR-190018
Kind Attn: PRATYUSH VERMA,AE-C

Date : 27-02-2023
Job No : 2301-1-172-2095
Booking No : RG2223/1/9332
Booking Date : 23-01-2023
Customer Ref No. : 54(TESTING)/AIIMS/ATP/2023/01
Customer Ref Dt. : 03-01-2023



Sample Description:

ONE SIGNED SAMPLE DESCRIBED AS DOOR SHUTTER (BOTH SIDE LAMINATED), MAKE- ARCHID, NAME OF WORK- CONSTRUCTION OF AIIMA AT AWANTIPORA (KASHMIR), JAMMU & KASHMIR (ON EPC MODE 3 BASIS), NAME OF CONTRACTOR- M/S NCC LIMITED, AGREEMENT NO 02/2020-21/EE&SM(C)-1/ AIIMS / AWANTIPORA/J&K, WAS RECEIVED.

(The sampling was not carried out by Shriram Institute for Industrial Research. The sample particulars provided in certificate are based on declaration by the Customer.)

2301-1-172-2095

Test Results

(AS PER IS: 2202 (PART-I) 1999 RA 2017)

Discipline: Mechanical

Group: Building Material

S.No	Tests	Observation	Requirements	Conformity	Protocol Used
1	Dimension & Squareness, mm				IS: 4020 (PT-II)1998 RA 2018
	(i) Length	2095	-	-	
	(ii) Width	701	-	-	
	(iii) Thickness	40.6	-	-	
	(iv) Variation in thickness	0.3	0.8 Max.	Yes	
	(iv) Squareness	0.1	Shall not deviate by more than 1 mm	Yes	
2	Local planeness test, mm	Nil	0.5 Max.	Yes	IS: 4020 (PT-IV)1998 RA2018
3	General flatness test, mm				IS: 4020 (PT-III)1998 RA2018
	i) Twist	0.9	5 Max.	Yes	
	ii) Cupping & Warping	1.1	5 Max.	Yes	

AUTHORISED SIGNATORY

EMPLOYEE CODE:(5121)

GC-01(Rev-05)

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Note: The results relate only to the items tested / calibrated above.
Scanned copies/photocopies or any other copies should be authenticated by reference to the original report.

SRI-C1 (Rev. 05)

Phone : 91-11-27000100, 27667267, 27667860

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See overleaf for terms & conditions



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TC-5444

4 Impact indentation test

IS: 4020 (PT-V)1998 RA2018

i) Visual Observation	No defect such as cracking, tearing & delamination observed	Shall have no defects such as cracking tearing & delamination observed	Yes
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(ii) Depth of Indentation, mm	0.17	0.2 Max.	Yes
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5 Flexure test

IS:4020 (Pt-VI)1998 RA2018

i) Deflection after 15 minutes of loading of 50 kg	21.6	46.7 Max.	Yes
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6 Edge loading test, mm

IS:4020 (Pt-VII)1998RA2018

(i) Deflection at load of 100 kg for 15 minutes	2.7	5 Max.	Yes
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(ii) Deflection at removal of load of 100 kg after 3 minutes	0.2	0.5 Max.	Yes
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(iii) Lateral buckling during load of 100 kg for 15 minutes	1.1	2 Max.	Yes
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(iv) Lateral buckling after removal of 100 kg for 3 minutes	Nil	Nil	Yes
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7 Shock resistance test

IS:4020 (Pt-VIII)1998RA2018

(i) Soft & light body impact	No visible damage in any part of the door	Shall be no visible damage in any part of the door	Yes
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(ii) Soft & heavy body impact	No permanent deformation or deterioration observed	Shall be no permanent deformation or deterioration	Yes
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8	Buckling test				IS:4020 (Pt-IX)1998 RA2018
	i) Visual	No sign of any deterioration observed.	Shall not show any deterioration	Yes	
	ii) Initial deflection at load of 40 kg for 15 minutes, mm	33	50 Max.	Yes	
	iii) deflection after 15 minutes of unloading of 40 kg, mm	2	5 Max.	Yes	
9	Slamming test,	No visible damage in any part of the door	Shall be no visible damage in any part of the door	Yes	IS:4020 (Pt-X)1998RA2018
10	Misuse test	No deformation observed	Shall not show any deformation	Yes	IS:4020 (Pt-XI)1998RA2018
11	Varying humidity test				IS:4020 (Pt-XII)1998RA2018
	i) Visual	No visible warping, twisting or delamination observed	Shall not be any visible warping, twisting or delamination	Yes	
12	End Immersion Test	Passes the test	To pass the test	Yes	IS:4020 (Pt-XIII)1998RA2018
13	Glue adhesion test	Passes the test	To pass the test	Yes	IS:4020 (Pt-XV)1998RA2018
14	Knife test	Passes the test (Pass standard)	To pass the test (excellent/pass standard)	Yes	IS:4020 (Pt-XIV)1998RA2018
15	Screw withdrawal resistance test, N	2463	1000 Min.	Yes	IS:4020 (Pt-XVI)1998RA2018

Note: No requirement and conformity has been given on Length, Width and thickness test since customer has not declared.

Date of received : 23.01.2023
Date of start : 24.01.2023
Date of completion: 27.02.2023

"End of Report"

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