



Erowood[®]
WPC Frames & Doors



*Have Sarvesh
Save Trees*





Sarvesh Multiplast India Private Limited

Sarvesh is well known Manufacturer of WPC Door Frame, WPC Door Panels & PVC Ceiling Panel. Our products are quality tested austerly by our quality control professionals to make sure that they are 100% flawless. We offer our clients with custom-made products to ideally suit their versatile needs. We have clients all across the nation as we maintain both quality & price of the products.

About WPC (WOOD POLYMER COMPOSITE - Internal use only)

WPC is an Alternative and eco friendly material to be used instead of timber/plywood for its biggest strength lies in its ability to resist rotting and decaying. This is considered to reduce environment impacts. WPC comes with the benefits of Higher Strength, Water Resistance, Anti-Decay, No Borer Attack, Smooth Finish, variety of colours, and also maintenance free.

Wood Polymer Composite is a combination of wood flour powder, Polyvinyl Chloride, fibres like pulp, husk, bamboo and thermoplastics.

Test Report

सरकार भारत (G.O.I.)
National Test House (SR)
 Tharamba, Chennai - 600113, Tamilnadu

COMPLETE TEST CERTIFICATE

Other certificate No. : **NTD/23/03/23/003_1**
 S/N Number : **NTD/23/03/23/003_1**
 Date of Expiry of Issue : **22 Feb, 2023**
 NTH Code : **NTD/23/03/2002**

Part A. PARTICULARS OF SAMPLE SUBMITTED

01 **सामग्री का प्रकार (Material)** : **SANDEEP PAPER INDUSTRIES Pvt. Ltd.**
 02 **उत्पादक (Manufacturer)** : **S. N. MATHI, KODAYARUVAZI, M. ANBARNA, P.O. CHEERANBA, P.O. BOX 801, Panchur, Dist. Tamil Nadu, India - 600051**
 03 **उत्पादक का पता (Customer's Address)** : **TG/502/311 - 34 Feb, 2023**
 04 **उत्पादक का प्रकार (Sample Name)** : **Not Available**
 05 **उत्पादक का प्रकार (Description of Test Item)** : **WPC Door With Frame**
 06 **उत्पादक का प्रकार (Description of Manufacturer)** : **WPC Door With Frame**
 07 **उत्पादक का प्रकार (Product Specification (any))** : **IS 2202 / Part 1 (2005) - Wooden Flush door shutters (Solid Core Type) Specification, Part 1 (wooden type) (Solid Core Type)**
 08 **उत्पादक का प्रकार (Date of Receipt of the Test Item)** : **21 Feb, 2023**
 09 **उत्पादक का प्रकार (Date of Test Performance of Test)** : **From: 21 Feb, 2023 To: 22 Feb, 2023**
 10 **उत्पादक का प्रकार (Quantity)** : **10 Nos.**
 11 **उत्पादक का प्रकार (Any other Information - Empty, Date, if any)** :
 12 **उत्पादक का प्रकार (Section Report No.)** : **23CVD0308_1**
 13 **उत्पादक का प्रकार (Report Type)** : **Raw**
 14 **उत्पादक का प्रकार (Reference Report No.)** :
 15 **उत्पादक का प्रकार (Remarks)** : **Please find the Test Report**

Checked by
Dr. S. S. Srinivasan
 Authorized Signatory
 Authorized on: 22 Feb, 2023 10:53 AM

1. This Test / Calibration Certificate shall not be reproduced, copied or, in any manner, for the reproduction of an approved abstract has been obtained from the Director, National Test House (SR), Chennai. 2. This Test / Calibration Certificate relates only to the sample/ items submitted.

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National Test House (SR)
 Tharamba, Chennai - 600113, Tamilnadu

Section Report No. : 23CVD0308_1
 IS 2202 / Part 1 (2005)

PART A. DETAILED TEST INFORMATION

1. **उत्पादक का प्रकार (Reference to sampling procedure, wherever applicable)** : **Not Applicable**
 2. **उत्पादक का प्रकार (Supporting documents for the measurements taken and results derived for sample, such as drawings and/or photographs as appropriate for test report, if any)** : **Not Applicable**
 3. **उत्पादक का प्रकार (Details of the test item, where applicable)** : **Not Applicable**
 4. **उत्पादक का प्रकार (Details of the test item)** : **The sample observed is "Material" WPC door with frame for both interior & exterior use**
 5. **उत्पादक का प्रकार (Details of the test item)** : **(On the face of IS 2202(part 1): 2005, IS 4020:1999)**
 6. **उत्पादक का प्रकार (Details of the test item)** : **Not Applicable**
 7. **उत्पादक का प्रकार (Details of the test item)** : **As per Specification**
 8. **उत्पादक का प्रकार (Details of the test item)** : **As per Specification**
 9. **उत्पादक का प्रकार (Details of the test item)** : **As per Specification**

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Section Report No. : 23CVD0308_1
 IS 2202 / Part 1 (2005)

PART C. TEST RESULT

S.No.	Clause No. / Test No.	Parameter / Method of Test	Test Description	Min. Limit	Max. Limit	Unit	Result / Observation
1	2.7	Shape Dimension (IS:4020 (Part 1): 1999)	Shape Dimension				Please refer annexure of 3 page.
2	3.14	Edge Working (IS:4020 (Part 1): 1999)	Edge Working Test				Please refer annexure of 3 page.
3	3.1.6	Moisture Test (IS:4020 (Part 1): 1999)	Moisture Test				Please refer annexure of 3 page.
4	3.2.9	Backling Test (IS:4020 (Part 1): 1999)	Backling Test				Please refer annexure of 3 page.
5	3.2.10	Slamming Test (IS:4020 (Part 1): 1999)	Slamming Test				Please refer annexure of 3 page.
6	3.2.11	Impact Indentation (IS:4020 (Part 1): 1999)	Impact Indentation				Please refer annexure of 3 page.
7	3.2.12	Local flatness Test (IS:4020 (Part 1): 1999)	Local flatness Test				Please refer annexure of 3 page.
8	3.2.13	General Flatness Test (IS:4020 (Part 1): 1999)	General Flatness Test				Please refer annexure of 3 page.
9	3.2.14	Dimensional and Squariness Test (IS:4020 (Part 1): 1999)	Dimensional and Squariness Test				Please refer annexure of 3 page.

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As desired, the sample "WPC Door with frame" was subjected to the following tests as per IS: 2202 (Part 1)-1999 for Wooden Flush Door Shutters (Solid Core type) with the results noted below.

Results of tests
 1. **Construction**
 The door was a solid single leaf door shutter. The surface of the shutter was free from visible defects. The door shutter was flat, smooth. All the four edges of the door shutter are square. Suitable fittings were provided. The Shutter was provided with a door frame of having 51.2 mm thickness.

Nature of Test	Results observed	Requirements as per IS:2202(part 1)-1999
1. Dimension-Size and Type (mm)		
1.1 Overall length of door shutter	1740.5	
1.2 Overall width of door shutter	521.5	Width C1 & 1 the sizes are as agreed between the manufacturer and purchaser
1.3 Overall thickness of door shutter	35.4	
1.4 Variation in thickness	0.12	
2. Test for Squariness (as per IS:4020(2)-1999)		
2.1 Deviation from squareness, mm	1.7	Shall be not more than 4mm
3. Test for General Flatness (as per IS:4020(3)-1999)		
3.1 Twist, mm	0.6	Shall be not more than 6mm
3.2 Warping, mm	0.4	Shall be not more than 6mm
3.3 Cupping, mm	0.3	Shall be not more than 6mm
4. Test for Local Flatness (as per IS:4020(4)-1999)		
4.1 Average local flatness of door shutter, mm	0.12	Shall be not more than 0.5mm
4.2 Average local flatness of door frame, mm	0.11	Limit not applicable

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Nature of Test	Results observed	Requirements as per IS:2202(part 1)-1999
5. Test for Impact indentation (as per IS:4020(5)-1999)		
5.1 Average impact depth of indentation, door shutter mm	Observed free. Shall be free from defects such as from defects: cracking, tearing or delamination and depth of indentation shall be not more than 0.2 mm.	
5.2 Average impact depth of indentation, door frame mm	0.10	Limit not applicable
6. Test for Slamming (as per IS:4020(10)-1999)		
6.1 The door shutter was inspected for visible damage after 50 slammings	No visible damage observed on the surface of the door. Satisfactory.	Shall be no visible damage on the surface of the shutter
7. Test for Edge Loading (as per IS:4020 (Part 1): 1999)		
7.1 Deflection after 15mins with load, mm	3.0	Shall not be more than 5 mm
7.2 Residual deflection at 3 min. after removal of load, mm	0.4	Shall not be more than 0.5 mm
8. Test for Buckling (as per IS:4020 (Part 1): 1999)		
8.1 Deformation after 5 min. with load, mm	42.6	Shall not be more than 50 mm
8.2 Residual deformation at 15 min. after removal of load, mm	4.0	Shall not be more than 5 mm

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Nature of Test	Results observed	Requirements as per IS:2202(part 1)-1999
9. Test for Shock Resistance-on face direction only (as per IS:4020 (Part 1): 1999)		
9.1 Soft & light body impact of 25	No deformation observed on the door surface	There shall be no visible damage in any part of the door after the test.
9.2 Soft & heavy body impact of 5 times	No deformation observed on the door surface	There shall be no visible damage in any part of the door after the test.
10. Test for Mause (as per IS:4020 (Part 1): 1999)		
Subjected the door with conventional hinges provided to a force of 20kg on the handle or equivalent position in the direction of closing and at right angles to plane of the frame of shutter	No Deformation observed on the frame and the door will handling, is normal working after the test. Satisfactory.	Shall not be any permanent deformation or locking of any other part of the door, rendering its normal working after the test.

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WPC DOORS & FRAMES



Roller Print



Plain Door



Plain Door

Carving Designs with PU Finish



WPC Door with Digital Print





WPC Features

- ▲ Water Resistance and Termite Resistance
- ▲ No crack and no maintenance
- ▲ Painting is not required (can be paintable and polishable)
- ▲ Shock Resistance & Electrical Insulator
- ▲ Fungal & Rot resistance
- ▲ Outstanding performance in cost and energy-saving .

Comparsion

SL.No.	Properties	Wood	Plastics	WPC
1	Durability	Ordinary	Normal	Long
2	Corrosion	Bad	Good	Best
3	Reprocess Capacity	No	Yes	Yes
4	Frequency of Maintenance	Regularly	Occational	Occational
5	Screw Holding	Good	Ordinary	Best

Available sizes of WPC Doors & Frames

SL.No.	Length (inch)	Width (inch)
--------	---------------	--------------

Thickness 25 mm

1	78	27
2	81	27
3	78	30
4	81	30
5	78	33
6	81	33

SL.No.	Length (inch)	Width (inch)
--------	---------------	--------------

Thickness 28 mm

1	78	27
2	81	27
3	78	30
4	81	30
5	78	33
6	81	33

SL.No.	Length (inch)	Width (inch)
--------	---------------	--------------

Thickness 30 mm

1	78	27
2	81	27
3	78	30
4	81	30
5	78	33
6	81	33

SL.No.	Length	Width
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WPC Frame

1	60mm	40mm
2	75mm	50mm
3	100mm	63mm
4	125mm	63mm

Advantages and Features



**Water
Proof**



**Weather
Proof**



**Eco
Friendly**



**Termite
Proof**



**Fire
Retardant**



**0%
Maintenance**

Instant solution for :

- ◆ Residential
- ◆ Schools
- ◆ Industrial Factory
- ◆ Security Rooms
- ◆ Farm Houses
- ◆ Hospitals
- ◆ Camp Site



A product of Sarvesh
www.sarvesh.net.in

Sarvesh Multi Plast India Pvt Ltd.

Corporate Office

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Branches

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