

## TECHNICAL SPECIFICATION OF AUSTIN FLUSH DOOR SHUTTER IS 2202 (Part-1) : 1999

SI No	Tests	Requirement as per IS 2202 (Pt-1) : 1999	Test Results
1	Dimension and Squareness Test a) Length, mm b) Width, mm c) Thickness, % d) Squareness, % e) Variation in thickness	±5 mm ±5 mm ±1 mm 1 mm on length of 500 mm Not more than 0.8 mm between any two points	+2mm, -0mm +2mm, -0 mm +0.5mm 0.15mm 0.25 mm
2	General Flatness Test	The twist, cupping and warping shall not exceed 6mm	1.2 mm
3	Local Planeness Test	The depth of deviation measured at any two point shall not be more than 0.5 mm	0.18 mm
4	Impact Indentation Test	a) Shall have no defects such as cracking, tearing or delamination b) The depth of indentation shall not be more than 0.2 mm	a) No cracking, tearing or delamination observed b) 0.05 mm
5	Flexure Test	a) The deflection at the maximum load shall not be more than one thirtieth of the length and one fifteenth of the width whichever is less. b) The residual deflection shall not be more than one tenth of the maximum deflection.	a) 1/45 th of length  b) One twentieth of the maximum deflection
6	Edge loading Test	a) The deflection of the edge at the maximum load shall not be more than 5 mm. b) The residual deflection shall not be more than 0.5 mm. c) Lateral buckling shall not be more than 2 mm d) No residual buckling after removal of load.	a) 2.15 mm  b) 0.19 mm c) 0.35 mm d) No residual buckling after removal of load



**B. S. PROGRESSIVE PVT. LTD.**

CORPORATE OFFICE : 3A, POLLOCK STREET, KOLKATA - 700 001 PHONE : 91-33-2235-7922, 2221-5863 FAX : 91-33-2235-2932  
E-MAIL : INFO@AUSTINPLYWOOD.COM, WEBSITE : WWW.AUSTINPLYWOOD.COM

AN ISO 9001, 14001 & OHSAS 18001 CERTIFIED COMPANY

Sl No	Tests	Requirement as per IS 2202 (Pt-1) : 1999	Test Results
7	Shock Resistance Test	a) Shall be no visible damage in any part of the door after twenty five blows on each end b) No significant permanent deformation and without deterioration after five impact on both sides of the shutter.	a) No visible damage observed. b) No significant permanent deformation or deterioration observed.
8	Buckling Test	a) The initial deflection shall not be more than 50 mm b) The residual deflection shall not be more than 5 mm	a) 18 mm b) 1.95 mm
9	Slamming Test	Shall not have any visible damage in any part of the door after 50 successive impacts	No visible damage observed
10	Misuse Test	Shall not be any permanent of the fixing or any part of the door set in hindering its normal working after the test	No permanent deformation in any part of the door observed
11	Varying Humidity Test	a) There shall not be any visible warping, twisting or delamination b) The maximum departure from the general planeness shall not be more than 1.0 mm c) The recovery of the original size after subjecting the door to high and low humidity shall be at least 90 percent of the change in dimension	a) No visible warping, twisting or delamination observed b) 0.35 mm c) 97 percent
12	End immersion Test	Shall have no delamination at the end of the test	No delamination observed
13	Knife Test	Minimum pass Standard	Excellent
14	Glue Adhesion Test	a) Shall be considered to have pass the test if no delamination has occurred in the glue lines. b) No single delamination of more than 50 mm in length and 3 mm in depth in the glue lines between plywood faces and stiles and rails	No delamination observed
15	Screw withdrawal Test	a) The required load to withdraw the screw completely shall not be less than 1000 N b) On withdrawal, there shall be no visible damage to the surface either by delamination or extra chipping off at the points of withdrawal.	a) 1525 N b) No visible damage or chipping off observed.

**B. S. PROGRESSIVE PVT. LTD.**

CORPORATE OFFICE : 3A, POLLOCK STREET, KOLKATA - 700 001 PHONE : 91-33-2235-7922, 2221-5863 FAX : 91-33-2235-2932  
 E-MAIL : INFO@AUSTINPLYWOOD.COM, WEBSITE : WWW.AUSTINPLYWOOD.COM

AN ISO 9001, 14001 & OHSAS 18001 CERTIFIED COMPANY

