

## F11 - Test Results Summary

### SCOPE AND GENERAL

Test Items	Dimension Specifications	Result	Standard Requirements
Moisture Content	240×45	14.0%	≥8%, ≤15%
	90×45	13.3%	≥8%, ≤15%
Immunization and	240×45	Refer to Test Report Published by IVS Lab.	Triademefon≥0.095%, Cyproconazole≥0.0097%
	90×45		

### MANUFACTURE

#### Assembly

Test Items	Dimension Specifications	Result	Standard Requirements
Construction	240×45	No cross-band veneers	The construction of structural LVL containing cross- band veneers shall be balanced in regard to all properties affecting product stability.  Bonding of scarf or lap end joints shall be achieved by an adhesive complying with typeA bond
	90×45	No cross-band veneers	
Veneer Joints	240×45	Pass	
	90×45	Pass	

#### Bond Quality

Dimension Specifications	Test Condition	Minimum Bond Quality In Any Single Glueline	Average Bond Quality	Standard Requirement
240×45	Dry	6	9	Bond quality in anysingle glueline of not less than 2 and an average of not less than 5.
	Steam	3	5	
90×45	Dry	7	9	
	Steam	4	5	

#### Formaldehyde Emission Class

Dimension Specifications	Formaldehyde Emission (mg/L)	E0 Emission Class Requirement1 (mg/L)
240×45	Max.:0.138, Avg.:0.116	Max.:0.5
90×45	Max.:0.066, Avg.:0.038	Max.:0.5

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<b>STRUCTURAL PROPERTIES</b>		
<b>Dimension Specifications</b>	<b>Result</b>	<b>Verification Results</b>
240×45 -On Flat	$f_b$ :38.67MPa $f_a$ :2.91MPa $f_p$ :6.75MPa $f_t$ :36.81MPa $f_c$ :35.09MPa $E$ :11860MPa	Stress Grade: F11
240×45 -On Edge	$f_b$ :32.74MPa $f_s$ :2.80MPa $f_p$ :11.10MPa $f_t$ :36.81MPa $f_c$ :35.09MPa $E$ :13490MPa	Stress Grade: F11
90×45 -On Flat	$f_b$ :40.63MPa $f_s$ :4.08MPa $f_p$ :6.16MPa $f_t$ :29.32MPa $f_c$ :35.33MPa $E$ :12460MPa	Stress Grade: F14
90×45 -On Edge	$f_b$ :32.59MPa $f_s$ :3.68MPa $f_p$ :9.68MPa $f_t$ :29.32MPa $f_c$ :35.33MPa $E$ :10530MPa	Stress Grade: F11

*Note: (1)The formaldehyde emission classes are specified in Table 1 of AS/NZS 4357.0:2005, the tested samples meet E0 emission class requirement.*

*(2)The results of structural properties is stated in separate calculation book compiling in accordance with AS/NZS 4063.3:2006.*

*(3)The F-grades were assigned according to below Table H2.1 of Appendix H of AS 1720.1.*

*(4)The applicable decision rules of this test are: IEC Guide 115: 2007 Procedure 2 - Accuracy method, do not subject to measurement uncertainty.*