



Plywood Division

Old Lydenburg Road

Private Bag X501

SABIE 1260

DECLARATION OF PERFORMANCE

1. Identification code of the product type:

Structural and Non-Structural Pine Plywood

2. Intended use or uses of the construction product:

For internal use as a structural component in dry conditions, EN 636-1

For protected use external use as a structural component in humid conditions, EN 636-2

For use in exterior conditions including exposure to liquid water or water vapour in damp but ventilated locations exposed to weathering and liquid water over sustained periods of time, EN 636-3.

3. Name, registered trade name or registered trade mark and contact address of the manufacturer:

York Timbers PTY (LTD), Plywood Division, Private bag X 501, Sabie 1260, South Africa

4. System or systems of assessment and verification of consistency of performance of the construction product:

AVCP system 2+

5. In case of the declaration of performance concerning a construction product covered by a harmonized standard EN 13986:2004 + A1: 2015

Notified factory production control certification body B.S.I. under certificate No.0086 performed the initial inspection of the manufacturing plant and a factory production control and continuous surveillance, assessment and evaluation of factory production and issued the certificate of conformity of the factory production control 0086-CPD 487990

SABS (South African Bureau of Standards has performed initial type testing of Reaction to Fire performance).

University of Pretoria has conducted type testing on 18 and 21mm Structural plywood.

TP (Timber Products) U.S.A. has conducted initial type testing of 9mm, 12mm 15mm and 18mm plywood panels.

Declared Performance

a General

Essential Characteristics

Bond Quality

Biological Durability

Mean Density

Release of formaldehyde

Water Vapour Permeability

Sound Absorption coefficient

Thermal Conductivity

Content of

Pentachlorophenol

Declared Performance

Class 3 (phenolic)

Use Class 1 and Class 2

> 400kg/m3

E1

D-s,d0(flooring Dfl-s1)

npd

0.108

<5 ppm

Technical Specification

EN 314-2

EN335/CEN/TS 1099

EN323

EN 13986 Annex B Note 2

EN 13986 Table 8

EN 13986 Table 9

EN 13986 Table 10

EN 13986 Part 5.18

9mm - Panel Thickness and Density

Panel Nr	Measurement Location								Thickness		Length		Width		Weight		Density	
	1	mm	2	mm	3	mm	4	mm	Average(in.)	mm	mm	mm	mm	mm	kg	kg	kg/m3	kg/m3
Min	0.351	8.9154	0.353	8.9662	0.346	8.7884	0.353	8.9662	0.353	8.9662	96.125	2441.575	48.063	1220.8	34	15.31213	36.0	576.72
Max	0.354	8.9916	0.361	9.1694	0.353	8.9662	0.368	9.3472	0.358	9.0932	96.125	2441.575	48.063	1220.8	40	18.01427	42.2	676.044
Avg	0.353	8.9662	0.358	9.0932	0.351	8.9154	0.357	9.0678	0.355	9.017	96.125	2441.575	48.063	1220.8	38	17.11355	39.5	632.79
Stdev	0.001		0.002		0.002		0.004		0.001		0		0		1.931		2	
COV	0%		1%		1%		1%		0%		0%		0%		5%		5%	

12mm - Panel Thickness and Density

Panel Nr	Measurement Location								Thickness		Length		Width		Weight		Density	
	1	mm	2	mm	3	mm	4	mm	Average(in.)	mm	mm	mm	mm	mm	kg	kg	kg/m3	kg/m3
Min	0.472	11.9888	0.471	11.9634	0.459	11.6586	0.474	12.0396	0.47	11.938	96.125	2441.575	48.063	1220.8	42	18.91498	33.0	528.66
Max	0.475	12.065	0.479	12.1666	0.479	12.1666	0.479	12.1666	0.477	12.1158	96.125	2441.575	48.063	1220.8	46	20.71641	36.0	576.72
Avg	0.473	12.0142	0.476	12.0904	0.471	11.9634	0.477	12.1158	0.474	12.0396	96.125	2441.575	48.063	1220.8	45	20.26605	35.5	568.71
Stdev	0.001		0.002		0.005		0.002		0.002						1.348		1.1	
COV	0%		0%		1%		0%		0%		0%		0%		3%		3%	

15mm - Panel Thickness and Density

Panel Nr	Length					Width		Weight		Density	
	mm	mm	mm	mm	mm	mm	mm	mm	mm	Density	Density
Min	17.653	17.7292	17.3482	17.6784	17.653	2441.575	48.063	1220.8	27.92211	531.864	531.864
Max	17.7292	17.9578	17.8562	17.8562	17.8054	2441.575	48.063	1220.8	30.62425	586.332	586.332
Avg	17.7038	17.8054	17.653	17.7546	17.7292	2441.575	48.063	1220.8	29.72354	563.904	563.904

15mm - Planar Shear

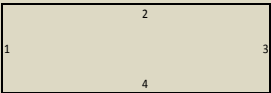
15mm - Shear Through The Thickness

Test Nr	Panel Nr	Width	mm	Length	mm	Thickness	mm	Test Nr	Panel Nr	Width	mm	Length	mm	mm	mm
Min			152.4		457.2	15.1	4095	Min			406.4		609.6	15.2	2468
Max			152.4		457.2	15.5	6819	Max			406.4		609.6	15.5	2910
Avg			152.4		457.2	15.4	5355	Avg						15.4	2863

18mm - Panel Thickness and Density

Panel Nr	Measurement Location								Thickness		Length		Width		Weight		Density	
	1	mm	2	mm	3	mm	4	mm	Average(in.)	mm	mm	mm	mm	mm	kg	kg	kg/m3	kg/m3
Min	0.695	17.653	0.698	17.7292	0.683	17.3482	0.696	17.6784	0.695	17.653	96.125	2441.575	48.063	1220.8	62	27.92211	33.2	531.864
Max	0.698	17.7292	0.707	17.9578	0.703	17.8562	0.703	17.8562	0.701	17.8054	96.125	2441.575	48.063	1220.8	68	30.62425	36.6	586.332
Avg	0.697	17.7038	0.701	17.8054	0.695	17.653	0.699	17.7546	0.698	17.7292	96.125	2441.575	48.063	1220.8	66	29.72354	35.2	563.904
Stdev	0.001		0.003		0.004		0.003		0.001		0		0		2.229		1.2	
COV	0%		0%		1%		0%		0%		0%		0%		3%		3%	

Location Of Measurements



The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) NO 305/2011, under sole responsibility of the manufacturer identified above. Signed for and on behalf of the manufacturer by:

Jaco Potgieter

Quality Officer

South Africa, February 2020