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 636-2.

3. Name, registered trade name or registered trademark 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 Characteristic's	Declared Performance	Technical Specification
Bond Quality	Class 3 (phenolic)	EN 314-2
Biological Durability	Use Class 1 and Class 2	EN335/CEN/TS 1099
Mean Density	> 400kg/m3	EN323
Release of formaldehyde	E1	EN 13986 Annex B Note 2
Water Vapour Permeability	D-s,d0(flooring Dfl-s1)	EN 13986 Table 8
Sound Absorption coefficient	npd	EN 13986 Table 9
Thermal Conductivity	0.108	EN 13986 Table 10
Content of Pentachlorophenol	<5 ppm	EN 13986 Part 5.18

9mm - Panel Thickness and Density

Panel Nr	Measurement Location 1	mm	2	mm	3	mm	4	mm	Thickness Average(in.)	mm	Length	mm	Width	mm	Weight	kg	Density	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

	Measurement Location 1		2	mm	3	mm	4	mm	Thickness Average(in.)	mm	Length	mm	Width	mm	Weight		Density	
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		96.125		48.063		1.348		1.1	
COV	0%		0%		1%		0%		0%		0%		0%		3%		3%	

15mm - Panel Thickness and Density

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

15mm - Planar Shear

Test Nr	Panel Nr	Width	mm	Length	mm	Thickness	
	Min		152.4		457.2	15.1	4095
	Max		152.4		457.2	15.5	6819
	Avg		152.4		457.2	15.4	5355

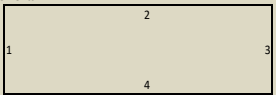
15mm - Shear Through The Thickness

Test Nr	Panel Nr	Width	mm	Length	mm	mm	
	Min		406.4		609.6	15.2	2468
	Max		406.4		609.6	15.5	2910
	Avg					15.4	2863

18mm - Panel Thickness and Density

	Measurement Location 1	mm	2	mm	3	mm	4	mm	Thickness Average(in.)	mm	Length	mm	Width	mm	Weight		Density	
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



21mm - Panel Thickness and Density

Panel Nr					Thickness		Length	Width	Density
	mm	mm	mm	mm	Average(i	mm	mm	mm	
Min	20	19,8	20,4	19,9	20,025	1,22	2441,575	1220,8	528,9
Max	21,3	21,5	21,1	21,3	21,3	1,22	2441,575	1220,8	558,9
Avg	20,5	20,6	20,3	20,4	20,45	1,22	2441,575	1220,8	543,9

Planar Shear

		Width mm	Length mm	Pmax(lbf)	Fs(lb/Q)(lb/ft)
9mm	Min	152,4	457,2	33,1	868
	Max	152,4	457,2	53,9	1427
	Average	152,4	457,2	40,6	1081
12mm	Min	152,4	457,2	26,5	932
	Max	152,4	457,2	42,3	1488
	Average	152,4	457,2	34,4	1221
15mm	Min	152,4	457,2	19,3	849
	Max	152,4	457,2	32,6	1444
	Average	152,4	457,2	25,6	1129
18mm	Min	152,4	457,2	26,5	1365
	Max	152,4	457,2	44,3	2273
	Average	152,4	457,2	34,8	1785

Shear through Thickness

		Width	Length	Pmax(lbf)	Fs(lb/Q)(lb/ft)
9mm	Min	6	24	7200	299
	Max	6	24	8150	339
	Average	6	24	7760	323
12mm	Min	16	24	12450	517
	Max	16	24	17000	706
	Average	16	24	14060	584
15mm	Min	16	24	9400	392
	Max	16	24	12500	521
	Average	16	24	10435	435
18mm	Min	16	24	15000	623
	Max	16	24	21750	904
	Average	16	24	18275	759

21mm		Ave MOE	5th Perc.	Char MOR	Grade Stress
	Par to grain	6707	4191	13,45	7,48
	Perp to grain	3079	1901	11,93	5,58

The performance of the product identified above in in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) N0 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, September 2019