

Declaration of Performance

Standard

BS EN 13986 Wood Based Panels

Producer / Manufacturer

Company: Welley Timber Industries Sdn. Bhd. (726389-M)

Address: Plot A26, Lorong Bakau, Kawasan Perusahaan Perabot Sungai Baong
14200 Sungai Bakap, S.P.S., Pulau Pinang, Malaysia

Product Type

Structural Plywood

Type of Plywood

Structural Plywood 5.5mm, 9mm, 12mm, 18mm, 25mm

Intended Use

Use as a structural component in external conditions, internal humid conditions, internal humid conditions.
The product complies with EN636-3 and formaldehyde class E1.

System of assessment and verification of constancy of performance of the construction product

System 2+

In case of the declaration of performance concerning a construction product covered by a harmonised standard:

Notified factory production control certification body BMTRADA no.1224 performed the initial inspection of the manufacturing plant and a factory production control and continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory Production production control 1224-CPR-0861

Declare of Performance

Nominal Thickness		5.5mm	9mm	12mm	18mm	25mm	Harmonised Technical Specification
Number of Plies		3	3/5	5/7	7/9	9/13	
Charateristic Bending Strength N/mm ²	Long Grain, fm	52.74	42.82	54.05	42.68	45.26	BS EN 310:1993
	Short Grain, fm	73.36	75.96	58.92	64.35	66.86	
Charateristic Bending Stiffness N/mm ²	Long Grain, Em	8277.86	7561.68	8908.82	5900.33	6520.47	BS EN 310:1993
	Short Grain, Em	12259.15	11690.66	9368.31	9310.29	10594.02	
Charateristic Shear Strength N/mm ²	f_v	0.600	1.017	1.102	0.972	1.230	BS EN 314-1:2004 Pretreatment 5.1.1
	Apparent Wood Failure	73.0%	62.0%	51.0%	61.4%	55.4%	
	f_v	0.505	0.620	0.510	0.614	0.554	BS EN 314-1:2004 Pretreatment 5.1.4
	Apparent Wood Failure	69.0%	65.9%	53.9%	65.5%	65.3%	
Moisture, %	H	7.7%	7.9%	8.0%	8.4%	9.5%	BS EN 322:1993
Density, kg/m ³	ρ	539.515	613.862	567.900	630.695	516.441	BS EN 323:1993
Release of Formaldehyde		E1					BS EN 13986:2004 5.7
Reaction to Fire		D-s2, d0					BS EN 13986:2004 5.8
Water Vapour Permeability		Wet cup 70, Dry cup 200					BS EN 13986:2004 5.9
Thermal conductivity		0.13					BS EN 13986:2004 5.12
Hazard Class		Class 3					BS EN 335:2013

The performance of the product identified above is in conformity with the declared performance identified in the table.