

## DECLARATION OF PERFORMANCE (DOP)

No: 056/MT-DoP/VIII/15

1. Unique identification code of the product : **KAM-M19 STRUCTURAL PLYWOOD**
  2. Type and batch number : **30062015,08072015,27062015,29062015,19062015,29062015,26062015,29062015,01072015,02072015,07072015,09072015,19062015,04072015.**
  3. Intended use : **External Conditions (EN 636 class-3) as Structural Components, Phenol Formaldehyde, Emission class E1**
  4. Manufacturer : **PT. Mujur Timber, Jalan Arah ke Barus KM 8, Sibolga, Tapanuli Tengah, Sumatera Utara - Indonesia**
  5. System or systems of assessment and verification of constancy of performance : **2+**
  6. Name and identification number of the notified body : **BM TRADA Certification Ltd., (identification no.: 1224) Stocking Lane, Hughenden Valley, High Wycombe, Bucks, HP14 4ND, UK**
- Performed initial inspection of the manufacturing plant and of factory production control, and evaluation of factory production control.  
Issued certificate : **1224-CPR-0297**
7. Declared performance

Essential characteristics	Performance									Harmonised Technical Specification
	Thickness (mm)	Thickness (mm)	Thickness (mm)	Thickness (mm)	Thickness (mm)	Thickness (mm)	Thickness (mm)	Thickness (mm)	Thickness (mm)	
	3.6	5.5	9.0	10.0	12.0	15.0	18.0	22.0	25.0	
Mean of bending strength										EN 310:1993
0° (N/mm <sup>2</sup> )	F60	F60	F60	F40	F40	F40	F35	F30	F30	
90° (N/mm <sup>2</sup> )	F50	F50	F35	F35	F35	F30	F30	F25	F25	
Mean of modulus of elasticity										EN 310:1993
0° (N/mm <sup>2</sup> )	E120	E120	E80	E80	E90	E90	E80	E80	E80	
90° (N/mm <sup>2</sup> )	E80	E80	E70	E70	E80	E70	E70	E70	E70	
Mean of bonding quality (N/mm <sup>2</sup> )										EN 314-1:2004 & EN 314-2:1993
5.1.1	1.50 (57%)	1.46 (56%)	1.46 (60%)	1.45 (58%)	1.48 (60%)	1.44 (53%)	1.47 (61%)	1.36 (48%)	1.36 (61%)	
5.1.4	0.99 (43%)	0.78 (48%)	0.96 (45%)	0.85 (46%)	0.82 (47%)	0.83 (45%)	0.86 (48%)	0.84 (59%)	0.87 (43%)	
Mean of moisture content (%)	10.6	10.0	9.9	10.0	10.3	10.1	10.0	9.9	10.7	EN 322:1993
Mean of density (kg/m <sup>3</sup> )	854.65	780.86	847.51	796.82	802.56	884.51	770.46	791.68	792.14	EN 323:1993
Durability (moisture resistance)	-	-	-	-	-	-	-	-	-	-
Release of formaldehyde	E1	E1	E1	E1	E1	E1	E1	E1	E1	EN 13986:2004 Annex B
Reaction of fire	NPD	NPD	D-s2, d0	D-s2, d0	D-s2, d0	D-s2, d0	D-s2, d0	D-s2, d0	D-s2, d0	EN 13986:2004 Tabel 8
Water vapour permeability										EN 13986:2004 Tabel 9
Wet cup (µ)	90	90	90	90	90	90	90	110	110	
Dry cup (µ)	220	220	220	220	220	220	220	220	220	
Sound absorption										EN 13986:2004 Tabel 10
250 - 500 Hz	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
1000 - 2000 Hz	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	
Thermal conductivity (W/(m.k))	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	EN 13986:2004 Tabel 11
Strength and stiffness for structural use										
Dimensional tolerances:										EN 315:2000
Thickness	3.09 - 3.91	5.42 - 6.38	8.33 - 9.47	9.3 - 10.5	11.24 - 12.56	14.15 - 15.65	17.06 - 18.74	20.94 - 22.86	23.85 - 25.95	EN 324-1
Width	1216.5 - 1223.5	1216.5 - 1223.5	1216.5 - 1223.5	1216.5 - 1223.5	1216.5 - 1223.5	1216.5 - 1223.5	1216.5 - 1223.5	1216.5 - 1223.5	1216.5 - 1223.5	EN 324-1
Length	2436.5 - 2443.5	2436.5 - 2443.5	2436.5 - 2443.5	2436.5 - 2443.5	2436.5 - 2443.5	2436.5 - 2443.5	2436.5 - 2443.5	2436.5 - 2443.5	2436.5 - 2443.5	EN 324-1
Straightness	Max 0.5 - 1	Max 0.5 - 1	Max 0.5 - 1	Max 0.5 - 1	Max 0.5 - 1	Max 0.5 - 1	Max 0.5 - 1	Max 0.5 - 1	Max 0.5 - 1	EN 324-2
Squareness	Max 0.5	Max 0.5	Max 0.5	Max 0.5	Max 0.5	Max 0.5	Max 0.5	Max 0.5	Max 0.5	EN 324-1

8. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by PT. Mujur Timber  
Sibolga, 03 Agustus 2015

