



PT. KUTAI TIMBER INDONESIA

DECLARATION OF PERFORMANCE (DOP)

No. 004 / DOP - CE / X / 2015

- 1. Unique identification code of the product : Structural plywood
- 2. Type and batch number : 05, 20, 23, 24 Apr-15 , 07, 13, 19, 20 May-15 , 27, 28 Jul-15 & 27-Sep-15
- 3. Intended use : External conditions as structural components , Phenol formaldehyde , Emission class E1
- 4. Manufacturer : PT. Kutai Timber Indonesia, Probolinggo 67201, Indonesia
- 5. System or system of assessment and verification of constancy of performance : 2+
- 6. Name and identification number of the notified body : BM TRADA No. 1224
- 7. Declared performance :

No.	Essential characteristics	Performance Thickness		Harmonised Technical specification
		9.0 mm	9.0 mm	
1	Mean of Bending Strength (N/mm ²)	0°	49.493	EN 310:1993
		90°	31.676	
2	Mean of Modulus of Elasticity (N/mm ²)	0°	3072.918	EN 310:1993
		90°	2136.409	
3	Mean of Bonding Quality (N/mm ²)	5.1.1	1.60	EN 314-1:2004 & EN 314-2:1993
		5.1.4	1.44	
4	Mean of Moisture Content (%)	9.0	8.5	EN 322:1993
5	Mean of Density (kg/m ³)	493.805	488.657	EN 323:1993
6	Durability (Moisture Resistance)	NPD	NPD	-
7	Release of Formaldehyde	E1	E1	EN 13986:2004 Annex B
8	Reaction to fire	D-s2, d0	D-s2, d0	EN 13986:2004 Tabel 8
9	Water vapour permeability (μ)	Wet cup	50	EN 13986:2004 Tabel 9
		Dry cup	150	
10	Airborne sound insulation	NPD	NPD	-
11	Thermal conductivity (W/(m.k))	0.09	0.09	EN 13986:2004 Tabel 11
12	Strength and Stiffness for structural use	NPD	NPD	-
13	Mechanical durability	NPD	NPD	-
14	Biological durability	NPD	NPD	-
15	Content of Pentachlorophenol	NPD	NPD	-

- 8. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 6. 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

Probolinggo October 12, 2015


Satoshi Harada
 Management Representative



PT. KUTAI TIMBER INDONESIA

TECHNICAL FILE
No. 004 / DOP - CE / X / 2015

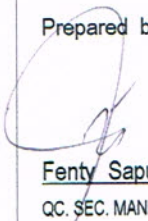
1. a. Manufacturer : PT. Kutai Timber Indonesia
b. Address : Jl. Tanjung Tembaga Baru, Kelurahan Mayangan , Kecamatan Mayangan , Kota Probolinggo 67201 - East Java , Republic of Indonesia
2. a. Contract Number : 00007716
b. Buyer : Impan, GmbH
c. Destination : Antwerp, Belgium
3. a. Shipment date : October 08, 2015
b. Vessel Name : MV. MSC Mila 3 V. HC 541 R
4. a. Product Type : Hardwood Plywood
b. Dimension : 9.0 x 2440 x 1220 mm
c. Glue Type : Phenol Formaldehyde
d. Production date : 20, 23, 24 Apr-15 & 07, 13, 19, 20 May-15
5. Technical Data :


No.	Performance Characteristic EN 13986:2004	Standard Methods	Test Result (Lq 5 %)		Classes	Remark
			Value	Unit		
1.	Bending Strength (N/mm ²)	EN 310	49.493	N/mm ²	F30	-
			31.676	N/mm ²	F20	-
2.	Modulus of Elasticity (N/mm ²)	EN 310	3072.918	N/mm ²	E30	-
			2136.409	N/mm ²	E20	-
3.	Bonding Quality (N/mm ²)	EN 314-1	1.60	N/mm ²	-	-
		EN 314-2	1.44	N/mm ²	-	-
4.	Density (kg/m ³)	EN 323	493.805	kg/m ³	-	-
5.	Moisture Content (%)	EN 322	9.0	%	-	-
6.	Release of Formaldehyde (mg/m ² h)	EN 717-2	-	mg/m ² h	E1	EN 13986:2004 Annex B

Probolinggo October 12, 2015

Prepared by :

Approved by :


Fenty Saputra
QC. SEC. MAN.


Satoshi Harada
GENERAL MANAGER



PT. KUTAI TIMBER INDONESIA

TECHNICAL FILE
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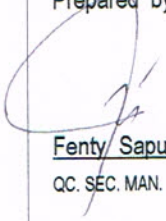
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3. a. Shipment date : October 08, 2015
b. Vessel Name : MV. MSC Mila 3 V. HC 541 R
4. a. Product Type : Hardwood Plywood
b. Dimension : 9.0 x 2500 x 1220 mm
c. Glue Type : Phenol Formaldehyde
d. Production date : 05-Apr-15 , 27, 28 Jul-15 & 27-Sep-15
5. Technical Data :

No.	Performance Characteristic EN 13986:2004	Standard Methods	Test Result (Lq 5 %)	Classes	Remark	
1.	Bending Strength (N/mm ²)	EN 310	FM, 0°	50.963	F30	-
			FM, 90°	28.052	F15	-
2.	Modulus of Elasticity (N/mm ²)	EN 310	EM, 0°	3089.917	E30	-
			EM, 90°	1976.361	E20	-
3.	Bonding Quality (N/mm ²)	EN 314-1	5.1.1	1.41	-	-
		EN 314-2	5.1.4	1.32	-	-
4.	Density (kg/m ³)	EN 323	-	488.657	-	-
5.	Moisture Content (%)	EN 322	-	8.5	-	-
6.	Release of Formaldehyde (mg/m ² h)	EN 717-2	-	-	E1	EN 13986:2004 Annex B

Probolinggo October 12, 2015

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Fenty Saputra

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Satoshi Harada

GENERAL MANAGER