

**DECLARATION OF PERFORMANCE (DOP)**

No: 9 / SMIP / PF

1. Unique identification code of the product: **Marine plywood**
2. Type and batch number: **Indonesian Hardwood Plywood, exterior gluing quality (phenol formaldehyde adhesive)**
3. Intended use: **External conditions as structural components, phenol formaldehyde, emission class E1**
4. Manufacturer:  
**PT. Sumber Mas Indah Plywood (1224-CPR-0165)**  
**Jl. Kapten Darmosugondo, Desa Karang Kiring, Kecamatan Kebomas, Gresik, East Java 61124, Republic of 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**  
**Chiltern House, Stocking Lane,**  
**Hugunden Valley, High Wycombe, Buckinghamshire HP14 4ND**  
**Notified Factory Production Control Body 1224, performed initial inspection of the manufacturing plant and of factory production control, continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control under system 2+ and issued the certificate of conformity of the factory production control: 1224-CPR-0165**
7. Declared performance

Essential characteristics	Performance	Harmonised Technical Specification
	Thickness (mm)	
	9.0	
<b>Mean of bending strength</b>		EN 310 : 1993
0° (N/mm <sup>2</sup> )	F25	
90° (N/mm <sup>2</sup> )	F20	
<b>Mean of modulus of elasticity</b>		EN 310 : 1993
0° (N/mm <sup>2</sup> )	E40	
90° (N/mm <sup>2</sup> )	E30	
<b>Mean of bonding quality (N/mm<sup>2</sup>)</b>	Class 3	EN 314-1 : 2004
<b>Mean of moisture content (%)</b>	10 ± 2	EN 322 : 1993
<b>Mean of density (kg/m<sup>3</sup>)</b>	> 500	EN 323 : 1993
<b>Durability (moisture resistance)</b>	NPD	-
<b>Release of formaldehyde</b>	E1	EN 13986:2004+A1:2015 Annex B note 2
<b>Reaction of fire</b>	D-s2, d0	EN 13986:2004+A1:2015 Table 8
<b>Water vapour permeability</b>		
Wet cup (μ)	70	EN 13986:2004+A1:2015 Table 9
Dry cup (μ)	200	EN 13986:2004+A1:2015 Table 9
<b>Airborne sound insulation</b>		-
<b>Thermal conductivity (W/(m.k))</b>	0.13	EN 13986:2004+A1:2015 Table 11
<b>Strength and stiffness for structural use</b>	NPD	-
<b>Mechanical durability</b>	NPD	EN 13986:2004+A1:2015 Table 12
<b>Biological durability</b>	Class 3	EN 335 - 3 : 2013
<b>Content of pentachlorophenol</b>	NPD	-
<b>Sound absorption</b>	0.10 & 0.30	EN 13986:2004+A1:2015 Table 10

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.

**Note: Pass CARB P-2 & TSCA Title VI certified**

Acknowledged by,

**RUDIANTO**

Chief of Quality Control

Gresik, 25 February 2020

Reported by,

**Zumrotul H.**

Coordinator of Quality Control

**DECLARATION OF PERFORMANCE (DOP)**

No: 12 / SMIP / PF


1. Unique identification code of the product: **Marine plywood**
2. Type and batch number: **Indonesian Hardwood Plywood, exterior gluing quality (phenol formaldehyde adhesive)**
3. Intended use: **External conditions as structural components, phenol formaldehyde, emission class E1**
4. Manufacturer:  
**PT. Sumber Mas Indah Plywood (1224-CPR-0165)**  
**Jl. Kapten Darmosugondo, Desa Karang Kiring, Kecamatan Kebomas, Gresik, East Java 61124, Republic of 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**  
**Chiltern House, Stocking Lane,**  
**Hugunden Valley, High Wycombe, Buckinghamshire HP14 4ND**  
**Notified Factory Production Control Body 1224, performed initial inspection of the manufacturing plant and of factory production control, continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control under system 2+ and issued the certificate of conformity of the factory production control: 1224-CPR-0165**
7. Declared performance

Essential characteristics	Performance	Harmonised Technical Specification
	Thickness (mm)	
	12.0	
<b>Mean of bending strength</b>		EN 310 : 1993
0° (N/mm <sup>2</sup> )	F20	
90° (N/mm <sup>2</sup> )	F20	
<b>Mean of modulus of elasticity</b>		EN 310 : 1993
0° (N/mm <sup>2</sup> )	E35	
90° (N/mm <sup>2</sup> )	E35	
<b>Mean of bonding quality (N/mm<sup>2</sup>)</b>	Class 3	EN 314-1 : 2004
<b>Mean of moisture content (%)</b>	10 ± 2	EN 322 : 1993
<b>Mean of density (kg/m<sup>3</sup>)</b>	> 500	EN 323 : 1993
<b>Durability (moisture resistance)</b>	NPD	-
<b>Release of formaldehyde</b>	E1	EN 13986:2004+A1:2015 Annex B note 2
<b>Reaction of fire</b>	D-s2, d0	EN 13986:2004+A1:2015 Table 8
<b>Water vapour permeability</b>		
Wet cup (μ)	70	EN 13986:2004+A1:2015 Table 9
Dry cup (μ)	200	EN 13986:2004+A1:2015 Table 9
<b>Airborne sound insulation</b>		-
<b>Thermal conductivity (W/(m.k))</b>	0.13	EN 13986:2004+A1:2015 Table 11
<b>Strength and stiffness for structural use</b>	NPD	-
<b>Mechanical durability</b>	NPD	EN 13986:2004+A1:2015 Table 12
<b>Biological durability</b>	Class 3	EN 335 - 3 : 2013
<b>Content of pentachlorophenol</b>	NPD	-
<b>Sound absorption</b>	0.10 & 0.30	EN 13986:2004+A1:2015 Table 10

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.

**Note: Pass CARB P-2 & TSCA Title VI certified**

Acknowledged by,  
  
**RUDIANTO**  
 Chief of Quality Control

Gresik, 25 February 2020  
 Reported by,  
  
**Zumrotul H.**  
 Coordinator of Quality Control



## DECLARATION OF PERFORMANCE (DOP)

No: 15 / SMIP / PF


1. Unique identification code of the product: **Marine plywood**
2. Type and batch number: **Indonesian Hardwood Plywood, exterior gluing quality (phenol formaldehyde adhesive)**
3. Intended use: **External conditions as structural components, phenol formaldehyde, emission class E1**
4. Manufacturer:  
**PT. Sumber Mas Indah Plywood (1224-CPR-0165)**  
**Jl. Kapten Darmosugondo, Desa Karang Kiring, Kecamatan Kebomas, Gresik, East Java 61124, Republic of 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**  
**Chiltern House, Stocking Lane,**  
**Hugunden Valley, High Wycombe, Buckinghamshire HP14 4ND**  
**Notified Factory Production Control Body 1224, performed initial inspection of the manufacturing plant and of factory production control, continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control under system 2+ and issued the certificate of conformity of the factory production control: 1224-CPR-0165**
7. Declared performance

Essential characteristics	Performance	Harmonised Technical Specification
	Thickness (mm)	
	15.0	
Mean of bending strength		EN 310 : 1993
0° (N/mm <sup>2</sup> )	F30	
90° (N/mm <sup>2</sup> )	F15	
Mean of modulus of elasticity		EN 310 : 1993
0° (N/mm <sup>2</sup> )	E50	
90° (N/mm <sup>2</sup> )	E35	
Mean of bonding quality (N/mm <sup>2</sup> )	Class 3	EN 314-1 : 2004
Mean of moisture content (%)	10 ± 2	EN 322 : 1993
Mean of density (kg/m <sup>3</sup> )	> 500	EN 323 : 1993
Durability (moisture resistance)	NPD	-
Release of formaldehyde	E1	EN 13986:2004+A1:2015 Annex B note 2
Reaction of fire	D-s2, d0	EN 13986:2004+A1:2015 Table 8
Water vapour permeability		
Wet cup (μ)	70	EN 13986:2004+A1:2015 Table 9
Dry cup (μ)	200	EN 13986:2004+A1:2015 Table 9
Airborne sound insulation		-
Thermal conductivity (W/(m.k))	0.13	EN 13986:2004+A1:2015 Table 11
Strength and stiffness for structural use	NPD	-
Mechanical durability	NPD	EN 13986:2004+A1:2015 Table 12
Biological durability	Class 3	EN 335 - 3 : 2013
Content of pentachlorophenol	NPD	-
Sound absorption	0.10 & 0.30	EN 13986:2004+A1:2015 Table 10

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.

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Chief of Quality Control

Gresik, 25 February 2020  
Reported by,  
  
**Zumrotul H.**  
Coordinator of Quality Control

**DECLARATION OF PERFORMANCE (DOP)**

No: 18 / SMIP / PF

1. Unique identification code of the product: **Marine plywood**
2. Type and batch number: **Indonesian Hardwood Plywood, exterior gluing quality (phenol formaldehyde adhesive)**
3. Intended use: **External conditions as structural components, phenol formaldehyde, emission class E1**
4. Manufacturer:  
**PT. Sumber Mas Indah Plywood (1224-CPR-0165)**  
**Jl. Kapten Darmosugondo, Desa Karang Kiring, Kecamatan Kebomas, Gresik, East Java 61124, Republic of 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**  
**Chiltern House, Stocking Lane,**  
**Hugunden Valley, High Wycombe, Buckinghamshire HP14 4ND**  
**Notified Factory Production Control Body 1224, performed initial inspection of the manufacturing plant and of factory production control, continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control under system 2+ and issued the certificate of conformity of the factory production control: 1224-CPR-0165**
7. Declared performance

Essential characteristics	Performance	Harmonised Technical Specification
	Thickness (mm)	
	18.0	
<b>Mean of bending strength</b>		EN 310 : 1993
0° (N/mm <sup>2</sup> )	F25	
90° (N/mm <sup>2</sup> )	F25	
<b>Mean of modulus of elasticity</b>		EN 310 : 1993
0° (N/mm <sup>2</sup> )	E40	
90° (N/mm <sup>2</sup> )	E40	
<b>Mean of bonding quality (N/mm<sup>2</sup>)</b>	Class 3	EN 314-1 : 2004
<b>Mean of moisture content (%)</b>	10 ± 2	EN 322 : 1993
<b>Mean of density (kg/m<sup>3</sup>)</b>	> 500	EN 323 : 1993
<b>Durability (moisture resistance)</b>	NPD	-
<b>Release of formaldehyde</b>	E1	EN 13986:2004+A1:2015 Annex B note 2
<b>Reaction of fire</b>	D-s2, d0	EN 13986:2004+A1:2015 Table 8
<b>Water vapour permeability</b>		
Wet cup (μ)	70	EN 13986:2004+A1:2015 Table 9
Dry cup (μ)	200	EN 13986:2004+A1:2015 Table 9
<b>Airborne sound insulation</b>		-
<b>Thermal conductivity (W/(m.k))</b>	0.13	EN 13986:2004+A1:2015 Table 11
<b>Strength and stiffness for structural use</b>	NPD	-
<b>Mechanical durability</b>	NPD	EN 13986:2004+A1:2015 Table 12
<b>Biological durability</b>	Class 3	EN 335 - 3 : 2013
<b>Content of pentachlorophenol</b>	NPD	-
<b>Sound absorption</b>	0.10 & 0.30	EN 13986:2004+A1:2015 Table 10

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.

**Note: Pass CARB P-2 & TSCA Title VI certified**

Acknowledged by,

**RUDIANTO**

Chief of Quality Control

Gresik, 25 February 2020

Reported by,

**Zumrotul H.**

Coordinator of Quality Control



## DECLARATION OF PERFORMANCE (DOP)

No: 25 / SMIP / PF

1. Unique identification code of the product: **Marine plywood**
2. Type and batch number: **Indonesian Hardwood Plywood, exterior gluing quality (phenol formaldehyde adhesive)**
3. Intended use: **External conditions as structural components, phenol formaldehyde, emission class E1**
4. Manufacturer:  
**PT. Sumber Mas Indah Plywood (1224-CPR-0165)**  
**Jl. Kapten Darmosugondo, Desa Karang Kiring, Kecamatan Kebomas, Gresik, East Java 61124, Republic of 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**  
**Chiltern House, Stocking Lane,**  
**Hugunden Valley, High Wycombe, Buckinghamshire HP14 4ND**  
**Notified Factory Production Control Body 1224, performed initial inspection of the manufacturing plant and of factory production control, continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control under system 2+ and issued the certificate of conformity of the factory production control: 1224-CPR-0165**
7. Declared performance

Essential characteristics	Performance	Harmonised Technical Specification
	Thickness (mm)	
	25.0	
Mean of bending strength		EN 310 : 1993
0° (N/mm <sup>2</sup> )	F15	
90° (N/mm <sup>2</sup> )	F20	
Mean of modulus of elasticity		EN 310 : 1993
0° (N/mm <sup>2</sup> )	E40	
90° (N/mm <sup>2</sup> )	E35	
Mean of bonding quality (N/mm <sup>2</sup> )	Class 3	EN 314-1 : 2004
Mean of moisture content (%)	10 ± 2	EN 322 : 1993
Mean of density (kg/m <sup>3</sup> )	> 500	EN 323 : 1993
Durability (moisture resistance)	NPD	-
Release of formaldehyde	E1	EN 13986:2004+A1:2015 Annex B note 2
Reaction of fire	D-s2, d0	EN 13986:2004+A1:2015 Table 8
Water vapour permeability		
Wet cup (μ)	70	EN 13986:2004+A1:2015 Table 9
Dry cup (μ)	200	EN 13986:2004+A1:2015 Table 9
Airborne sound insulation		-
Thermal conductivity (W/(m.k))	0.13	EN 13986:2004+A1:2015 Table 11
Strength and stiffness for structural use	NPD	-
Mechanical durability	NPD	EN 13986:2004+A1:2015 Table 12
Biological durability	Class 3	EN 335 - 3 : 2013
Content of pentachlorophenol	NPD	-
Sound absorption	0.10 & 0.30	EN 13986:2004+A1:2015 Table 10

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.

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**RUDIANTO**

Chief of Quality Control

Gresik, 25 February 2020

Reported by,

**Zumrotul H.**

Coordinator of Quality Control



# DECLARATION OF PERFORMANCE (DOP)

No: 6 / SMIP / PF

1. Unique identification code of the product: **Marine plywood**
2. Type and batch number: **Indonesian Hardwood Plywood, exterior gluing quality (phenol formaldehyde adhesive)**
3. Intended use: **External conditions as non structural components, phenol formaldehyde, emission class E1**
4. Manufacturer:  
**PT. Sumber Mas Indah Plywood (1224-CPR-0165)**  
**Jl. Kapten Darmosugondo, Desa Karang Kiring, Kecamatan Kebomas, Gresik, East Java 61124, Republic of 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**  
**Chiltern House, Stocking Lane,**  
**Hugunden Valley, High Wycombe, Buckinghamshire HP14 4ND**  
**Notified Factory Production Control Body 1224, performed initial inspection of the manufacturing plant and of factory production control, continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control under system 2+ and issued the certificate of conformity of the factory production control: 1224-CPR-0165**
7. Declared performance


Essential characteristics	Performance	Harmonised Technical Specification
	Thickness (mm)	
	6.0	
<b>Mean of bending strength</b>		EN 310 : 1993
0° (N/mm <sup>2</sup> )	F25	
90° (N/mm <sup>2</sup> )	F20	
<b>Mean of modulus of elasticity</b>		EN 310 : 1993
0° (N/mm <sup>2</sup> )	E40	
90° (N/mm <sup>2</sup> )	E30	
<b>Mean of bonding quality (N/mm<sup>2</sup>)</b>	Class 3	EN 314-1 : 2004
<b>Mean of moisture content (%)</b>	10 ± 2	EN 322 : 1993
<b>Mean of density (kg/m<sup>3</sup>)</b>	> 500	EN 323 : 1993
<b>Durability (moisture resistance)</b>	NPD	-
<b>Release of formaldehyde</b>	E1	EN 13986:2004+A1:2015 Annex B note 2
<b>Reaction of fire</b>	D-s2, d0	EN 13986:2004+A1:2015 Table 8
<b>Water vapour permeability</b>		
Wet cup (μ)	70	EN 13986:2004+A1:2015 Table 9
Dry cup (μ)	200	EN 13986:2004+A1:2015 Table 9
<b>Airborne sound insulation</b>		-
<b>Thermal conductivity (W/(m.k))</b>	0.13	EN 13986:2004+A1:2015 Table 11
<b>Strength and stiffness for structural use</b>	NPD	-
<b>Mechanical durability</b>	NPD	EN 13986:2004+A1:2015 Table 12
<b>Biological durability</b>	Class 3	EN 335 - 3 : 2013
<b>Content of pentachlorophenol</b>	NPD	-
<b>Sound absorption</b>	0.10 & 0.30	EN 13986:2004+A1:2015 Table 10

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.

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Acknowledged by,  
  
**RUDIANTO**  
 Chief of Quality Control

Gresik, 25 February 2020

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**Zumrotul H.**  
 Coordinator of Quality Control