



Evolution Beyond Expectations

**DECLARATION OF PERFORMANCE
CERTIFICATE OF QUALITY**

Notify Body Company:-

Notify Body Identification Number:-

Manufacturer : Pioneer OSB Sdn. Bhd. Lot 1869 & 1870. Batu 10, Jalan Pokok Sena, Kedah. Malaysia

Products Description: Oriented Strand Boards

No: 010522-005 SAMPLE

Glue: PMDI

Board Type (Technical Class) : OSB/3

Assessment and verification of consistency of performance (AVCP) system : 4

Technical class:

Product type for the intended use of : General OSB 3 according to EN 300

Performance Declaration

Essential Characteristic	Unit	Performance	Guideline	Harmonised Technical Format
Thickness range	mm	9		
Bending strength, MOR Major Axis	N/mm ²	23.5	22	EN 310 : 1993
Bending strength, MOR Minor Axis	N/mm ²	13.2	11	
Bending stiffness, MOE Major Axis	N/mm ²	3821	3500	EN 310 : 1993
Bending stiffness, MOE Minor Axis	N/mm ²	1602	1400	
Internal Bond	N/mm ²	0.51	0.34	EN 319:1993
Durability (swelling in thickness)	%	13.9	15	EN 317:1993
Durability (moisture resistance) ^a	N/mm ²	0.21	0.15	EN 1087-1 : 1995
Moisture content	%	5.1	12	EN 322:1993
Density	Kg/m ³	672.829	650	EN 323
Release of formaldehyde	mg/L	Non Traceable	0.4	EN 13986 Annex B
Reaction to fire	-	D-s2, d0	-	BS 13986: 2004 +A1:2015
Water vapour permeability	Wet cup	30u	-	BS 13986: 2004 +A1:2015
	Dry cup	50u		
Airborne sound insulation	-	NPD	-	BS 13986: 2004 +A1:2015
Sound absorption	-	NPD	-	BS 13986: 2004 +A1:2015
Thermal conductivity	W/(m.k)	0.13	-	BS 13986: 2004 +A1:2015
Strength and stiffness for structural use	-	NPD		-
Impact resistance for structural use	mm/j	NPD		-
Strength and stiffness under point load for structural use ^b (Floor)	F _{max} KN	NPD		-
	R _{0.5} N/mm ²	NPD		-
Strength and stiffness under point load for structural use ^b (Roof)	F _{max} KN	NPD		-
	R _{0.5} N/mm ²	NPD		-
Mechanically durability	-	NPD		-
Biological durability	-	NPD		-
Content of pentachlorophenol	-	NPD		-

BS 13986: 2004 +A1:2015

Remark:

a : For end uses in humid conditions only

b : For structural floor and roof decking or joists only

NPD : Non Performance Determined

F_{max} : The 5% characteristic for maximum load

R_{0.5} : The 5% characteristic for stiffness

The performance of the products identified is in accordance with the declared performance above

This declaration of performance is issued under the sole responsibility of the manufacturer identified above

Kamarul

Signed on behalf of the manufacturer by:

Date: 26/5/2022

KAMARUL FADZLY
LABORATORY PERSONNEL



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DECLARATION OF PERFORMANCE CERTIFICATE OF QUALITY

Notify Body Company:-

Notify Body Identification Number:-

Manufacturer : Pioneer OSB Sdn. Bhd. Lot 1869 & 1870. Batu 10, Jalan Pokok Sena, Kedah. Malaysia

Products Description: Oriented Strand Boards

No: 010522-006 SAMPLE

Glue: PMDI

Board Type (Technical Class) : OSB/3

Assessment and verification of consistency of performance (AVCP) system : 4

Technical class:

Product type for the intended use of : General OSB 3 according to EN 300

Performance Declaration

Essential Characteristic	Unit	Performance	Guideline	Harmonised Technical Format
Thickness range	mm	12		
Bending strength, MOR Major Axis	N/mm ²	23.0	20	EN 310 : 1993
Bending strength, MOR Minor Axis	N/mm ²	13.2	10	
Bending stiffness, MOE Major Axis	N/mm ²	4011	3500	EN 310 : 1993
Bending stiffness, MOE Minor Axis	N/mm ²	1823	1400	
Internal Bond	N/mm ²	0.49	0.32	EN 319:1993
Durability (swelling in thickness)	%	13.2	15	EN 317:1993
Durability (moisture resistance) ^a	N/mm ²	0.19	0.13	EN 1087-1 : 1995
Moisture content	%	5.5	12	EN 322:1993
Density	Kg/m ³	679.243	650	EN 323
Release of formaldehyde	mg/L	Non Traceable	0.4	EN 13986 Annex B
Reaction to fire	-	D-s2, d0	-	BS 13986: 2004 +A1:2015
Water vapour permeability	Wet cup	30u	-	BS 13986: 2004 +A1:2015
	Dry cup	50u		
Airborne sound insulation	-	NPD	-	BS 13986: 2004 +A1:2015
Sound absorption	-	NPD	-	BS 13986: 2004 +A1:2015
Thermal conductivity	W/(m.k)	0.13	-	BS 13986: 2004 +A1:2015
Strength and stiffness for structural use	-	NPD		-
Impact resistance for structural use	mm/j	NPD		-
Strength and stiffness under point load for structural use ^b (Floor)	F _{max} KN	NPD		-
	R _{0.5} N/mm ²	NPD		-
Strength and stiffness under point load for structural use ^b (Roof)	F _{max} KN	NPD		-
	R _{0.5} N/mm ²	NPD		-
Mechanically durability	-	NPD		-
Biological durability	-	NPD		-
Content of pentachlorophenol	-	NPD		-

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Notify Body Identification Number:-

Manufacturer : Pioneer OSB Sdn. Bhd. Lot 1869 & 1870. Batu 10, Jalan Pokok Sena, Kedah. Malaysia

Products Description: Oriented Strand Boards

No: 010522-007 SAMPLE

Glue: PMDI

Board Type (Technical Class) : OSB/3

Assessment and verification of consistency of performance (AVCP) system : 4

Technical class:

Product type for the intended use of : General OSB 3 according to EN 300

Performance Declaration

Essential Characteristic	Unit	Performance	Guideline	Harmonised Technical Format
Thickness range	mm	15		
Bending strength, MOR Major Axis	N/mm ²	24.2	20	EN 310 : 1993
Bending strength, MOR Minor Axis	N/mm ²	12.3	10	
Bending stiffness, MOE Major Axis	N/mm ²	4055	3500	EN 310 : 1993
Bending stiffness, MOE Minor Axis	N/mm ²	1873	1400	
Internal Bond	N/mm ²	0.55	0.32	EN 319:1993
Durability (swelling in thickness)	%	13.7	15	EN 317:1993
Durability (moisture resistance) ^a	N/mm ²	0.20	0.13	EN 1087-1 : 1995
Moisture content	%	4.7	12	EN 322:1993
Density	Kg/m ³	672.921	650	EN 323
Release of formaldehyde	mg/L	Non Traceable	0.4	EN 13986 Annex B
Reaction to fire	-	D-s2, d0	-	BS 13986: 2004 +A1:2015
Water vapour permeability	Wet cup	30u	-	BS 13986: 2004 +A1:2015
	Dry cup	50u		
Airborne sound insulation	-	NPD	-	BS 13986: 2004 +A1:2015
Sound absorption	-	NPD	-	BS 13986: 2004 +A1:2015
Thermal conductivity	W/(m.k)	0.13	-	BS 13986: 2004 +A1:2015
Strength and stiffness for structural use	-	NPD		-
Impact resistance for structural use	mm/j	NPD		-
Strength and stiffness under point load for structural use ^b (Floor)	F _{max} KN	NPD		-
	R _{0.5} N/mm ²	NPD		-
Strength and stiffness under point load for structural use ^b (Roof)	F _{max} KN	NPD		-
	R _{0.5} N/mm ²	NPD		-
Mechanically durability	-	NPD		-
Biological durability	-	NPD		-
Content of pentachlorophenol	-	NPD		-

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Notify Body Identification Number:-

Manufacturer : Pioneer OSB Sdn. Bhd. Lot 1869 & 1870. Batu 10, Jalan Pokok Sena, Kedah. Malaysia

Products Description: Oriented Strand Boards

No: 010522-008 SAMPLE

Glue: PMDI

Board Type (Technical Class) : OSB/3

Assessment and verification of consistency of performance (AVCP) system : 4

Technical class:

Product type for the intended use of : General OSB 3 according to EN 300

Performance Declaration

Essential Characteristic	Unit	Performance	Guideline	Harmonised Technical Format
Thickness range	mm	18		
Bending strength, MOR Major Axis	N/mm ²	24.5	18	EN 310 : 1993
Bending strength, MOR Minor Axis	N/mm ²	11.5	9	
Bending stiffness, MOE Major Axis	N/mm ²	4122	3500	EN 310 : 1993
Bending stiffness, MOE Minor Axis	N/mm ²	1691	1400	
Internal Bond	N/mm ²	0.45	0.3	EN 319:1993
Durability (swelling in thickness)	%	14.1	15	EN 317:1993
Durability (moisture resistance) ^a	N/mm ²	0.17	0.12	EN 1087-1 : 1995
Moisture content	%	5.5	12	EN 322:1993
Density	Kg/m ³	679.111	650	EN 323
Release of formaldehyde	mg/L	Non Traceable	0.4	EN 13986 Annex B
Reaction to fire	-	D-s2, d0	-	BS 13986: 2004 +A1:2015
Water vapour permeability	Wet cup	30u	-	BS 13986: 2004 +A1:2015
	Dry cup	50u		
Airborne sound insulation	-	NPD	-	BS 13986: 2004 +A1:2015
Sound absorption	-	NPD	-	BS 13986: 2004 +A1:2015
Thermal conductivity	W/(m.k)	0.13	-	BS 13986: 2004 +A1:2015
Strength and stiffness for structural use	-	NPD		-
Impact resistance for structural use	mm/j	NPD		-
Strength and stiffness under point load for structural use ^b (Floor)	F _{max} KN	NPD		-
	R _{0.5} N/mm ²	NPD		-
Strength and stiffness under point load for structural use ^b (Roof)	F _{max} KN	NPD		-
	R _{0.5} N/mm ²	NPD		-
Mechanically durability	-	NPD		-
Biological durability	-	NPD		-
Content of pentachlorophenol	-	NPD		-

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