

DECLARATION OF PERFORMANCE DOP NO. 1-17-CE2+

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1. Unique identification code of the product-type:

PINE PLYWOOD EN 636-2 S

Visual grades B/C, CPC, C+/C CE2+ and C/C CE2+.

2. Type:

Layups with 2.6mm outer layers.

3. Intended uses:

Structural components in dry and humid conditions.

Structural floor and roof decking on joists.

Structural wall sheathing on studs.

4. Manufacturer:

Indústria de Compensados SUDATI Ltda.

Av. Presidente Getúlio Vargas, 1638

Palmas, PR 85555-000 Brazil

Tel. +55 46 3263-8400

e-mail: fabiano@sudati.com.br

Available from:

IBAITI mill

VENTANIA mill

5. Authorised technical representative:

Mr. Duncan King

Ashford Associates

18 Pear Tree Close, Alderholt, Fordingbridge, Hants SP6 3ER, United Kingdom

Tel: +44 1425-656269

e-mail: duncanking@ashfordassociatesuk.com

6. System of assessment and verification of constancy of performance (AVCP):

AVCP System 2+

7. Harmonised standard:

EN 13986:2004+A1:2015

Notified Body:

1034 - HFB Engineering GMBH of Leipzig, Germany.

Certificates:

Ibaiti mill: 1034-CPR-12983/1/2017 dated 2nd March 2017.

Ventania mill: 1034-CPR-1645/1/2017 dated 2nd March 2017.

8. Panel marking example:

CE 1034 SUDATI - IBAITI 17 DOP NO 1-17-CE2+ EN 13986:2004+A1:2015 BOND CLASS 3 E1

PINE PLYWOOD EN 636-2 S 18 MM STRUCTURAL COMPONENTS FLOOR DECKING

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9. Declared performance:

Essential characteristics		Declared performance			Technical Specification		
Bond quality		Class 3 (phenolic)			EN 314-1/2		
Release of formaldehyde		E1			EN 13986 Annex B Note 2		
Reaction to fire		D-s2, d0 (Flooring - DFL-s1)			EN 13986 Table 8		
Water vapour permeability μ		Wet cup - 70 / Dry cup - 200			EN 13986 Table 9		
Airborne sound insulation		Calculate as $R = 13 \times \lg(mA) + 14$			EN 13986 Part 5.10		
Sound absorption coefficient		0,10 / 0,30			EN 13986 Table 10		
Thermal conductivity λ		0,13 W/(m.K)			EN 13986 Table 11		
Biological durability		Use class 2			EN 335 / EN 1099		
Content of pentachlorophenol		< 5 ppm			EN 13986 Part 5.18		
Mean density ρ		> 550 kg/m ³			EN 323		
Bending strength and stiffness for structural use (N/mm ²)		Stated below per Type			EN 12369-2 / EN 789		
		9mm 3ply	12mm 5ply	15mm 5ply	18mm 7ply	21mm 7ply	24mm 9ply
Mean	//	12.980	9.120	9.070	10.190	8.522	8.164
Modulus of Elasticity	-/-	1.170	2.310	2.440	3.600	4.569	4.203
Characteristic (L5%)	//	6.000	6.000	5.000	7.000	5.000	5.000
Modulus of Elasticity	-/-	500	2.000	2.000	3.000	4.000	3.000
Characteristic (L5%)	//	30,0	30,0	25,0	25,0	25,0	20,0
Bending Strength	-/-	10,0	10,0	15,0	15,0	15,0	15,0
Strength and stiffness under point load		Stated below per Type			EN 12781, EN 1195		
		12mm 5ply		15mm 5ply	18mm 7ply		
Edge support		Square		T&G	T&G		
Stud spacing (mm)		450	600	450	810	600	1220
Fmax (N)		5.024	2.941	4.409	2.705	5.836	2.630
Fser (N)		2.940	2.225	3.069	1.834	3.116	2.488
Rmean (N/mm)		345	233	423	172	435	114
Impact resistance		Approved. All types above tested.			EN 12781, EN 1195		
Impact resistance (soft body)		Approved. 12mm 5ply tested.			EN 12781, EN 596		
Embedment Strength (N/mm ²) Tested Type: 12mm 5ply		Stated below per fastener type			EN 383		
		4,0mm Bolt		6,0mm Bolt	8,0mm Bolt		
		//	-/-	//	-/-	//	-/-
Mean strength		64,9	68,4	47,1	51,3	45,9	53,6
Lower Limit value (L5%)		43,8	49,8	31,4	37,7	35,4	36,2

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. 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:



Bartolomeu da Silva Neto, Technical Director

In Palmas, PR on 1st September 2017.

Confirmed on 1st January 2020.