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Declaration of Performance
DOP NO. 2-15-CE2+

1. Unique identification code of the product-type:

PINE PLYWOOD EN 636-2 S

Thicknesses 9mm thru 30mm
Grades B/C, CPC, C+/C CE2+ and C/C CE2+
Layups with 2.6mm faces/backs and 2.6mm, 3.6mm and 4.2mm cores

2. Intended uses:

Structural components in dry and humid conditions
Structural wall sheathing on studs in dry ans humid conditions
Structural roof decking on joists and floor decking on joists in dry and humid conditions

3. 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:
PALMAS mill

4. Authorised technical representative:

Mr. Duncan King
Ashford Associates
18 Pear Tree Close, Alderholt, Fordingbridge, Hants SP6 3ER, United Kingdom
Tel: +44 (0)1425-656269
e-mail: duncanking@ashfordassociatesuk.com

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

System 2+

6. Harmonised standard:

EN 13986:2004

Notified Body:
1034 - HFB Engineering GMBH of Leipzig, Germany.

Certificate:
1034-CPR-12982/1/14 dated March 27th, 2014.

Panel marking example:

CE 1034 SUDATI - PALMAS 15 DOP NO. 2-15-CE2+ EN 13986:2004 BOND CLASS 3 E1
PINE PLYWOOD EN 636-2 S 18 MM STRUCTURAL COMPONENTS FLOOR DECKING

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DOP NO. 2-15-CE2+

7. Declared performance:

a. General

Essential characteristics	Declared performance	Technical Specification
Bond quality	Class 3 (phenolic)	EN 314-1/2
Biological durability	Class 2	EN 335 / EN 1099
Mean density ρ	500 kg/m³	EN 323
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
Sound absorption coefficient	0,10 / 0,30	EN 13986 Table 10
Thermal conductivity λ	0,13 W/(m.K)	EN 13986 Table 11
Content of pentachlorophenol	< 5 ppm	EN 13986 Part 5.18

b. For use as STRUCTURAL COMPONENTS in dry and humid conditions

Essential characteristics		Declared performance				Technical Specification			
Characteristic values (L5%)		See below per Type				EN 12369-2			
Product types		9mm 3ply	12mm 5ply	15mm 5ply	18mm 7ply	21mm 7ply	24mm 9ply	27mm 9ply	30mm 11ply
Strength (N/mm2)	Parallel ||	25,0	20,0	15,0	20,0	15,0	15,0	15,0	15,0
	Perpen. _|_	5,0	10,0	10,0	10,0	10,0	10,0	10,0	10,0
Stiffness (N/mm2)	Parallel ||	4000	4000	3000	4000	2500	3000	3000	3000
	Perpen. _|_	500	1000	1000	1500	1500	1500	2000	2000

c. For use as STRUCTURAL WALL sheathing on studs in dry and humid conditions

Essential characteristics	Declared performance	Technical Specification
Soft body impact resistance	Fulfilled from Type 12mm	EN 12781

d. For use as STRUCTURAL ROOF and FLOOR decking on joists in dry and humid conditions

Essential characteristics		Declared performance				Technical Specification			
Under point load		See below per Type				EN 12781			
Product types		12mm 5ply	12mm 5ply	15mm 5ply	15mm 5ply	15mm 5ply	18mm 7ply	18mm 7ply	18mm 7ply
Edge support		S/E	S/E	S/E	T&G	T&G	S/E	T&G	T&G
Spacing (mm)		450	600	450	450	810	600	600	1220
Strength (N)	Fmax	5.024	2.941	5.227	4.409	2.705	7.680	5.836	2.630
	Fser	2.940	2.225	3.942	3.069	1.834	4.362	3.116	2.488
Stiffness (N/mm)	Rmean	345	233	510	423	172	580	435	114

Note: The declared performance for Types 21mm and 24mm is the same as for Type 18mm.

The performance of the product identified above is in conformity with the set of declared performance's. This declaration of performance is issued in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Bartolomeu da Silva Neto, Technical Director
In Palmas, PR on 1st March 2015.