

YTELSESERKLÆRING

Nr. 1520-CPR-171011

1. Varetypens unike identifikasjonskode: **20003203 KRYSSFINER AV FURU**
2. Tilsiktet bruksområde: **Kryssfinerplate for innvendig og utvendig bruk, komponent i Bærende element som tak. Dimensjoner 12, 15 og 18 mm.**
3. Produsent: **Fritzøe Engros AS, Lågaveien 8-12, 3262 Larvik**
4. Autorisert representant (hvis relevant): **ikke relevant.**
5. System eller systemer for vurdering og verifikasjon av byggevarers ytelser: **System 2+**
6. Harmonisert produktstandard: **Produktstandard EN 13986:2006, - EN 636:2005**
Teknisk kontrollorgan: **HFB Engineering GMBH, 1034 –CPD-12983/1/10**
7. Angitte ytelser:

Densitet	580 kg/m³ NS-EN 323 type Testing
Formaldehyd klasse	E1 (phenolic resin bonded) EN 13986 Annex B Note 2
Brannteknisk klasse	D-s2, d0 / Flooring – DFL s1
Bindemiddel kvalitet	Klasse 3, jfr. NS-EN 314-1/2 Type testing
Fuktmotstand	Innvendig og utvendig bruksområde*. Bruksklasse 3, jfr. NS-EN 314-1/2 Type testing

** Produktet er i klimaklasse 3 iht. EN 314-1/2 og må behandles før utvendigbruk*
8. Ytelser for denne byggevaren, som er anført ovenfor, er i overensstemmelse med de angitte ytelsene. Denne ytelseserklæringen er utarbeidet i overensstemmelse med forordning (EU) nr. 305/2011 under eneansvar til produsenten, som er anført ovenfor.

Underskrevet for produsenten og på dennes vegne av:

Larvik,
11.10.17Jarle Anholt
Teknisk sjef

**Declaration of Performance
No. SUI/PP/13/CE2+**

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Product identification	PINE PLYWOOD EN 636-2 S							
Product Types	9mm	12mm	15mm	18mm	21mm	24mm	27mm	30mm
Intended uses	(See page 2)							

Name and contact address of the manufacturer	Indústria de Compensados Sudati Ltda. Rod. BR 153, Km 04, s/n Ibaíti, PR 84900-000 BRAZIL
Mill identification	SUDATI - IBAITI
Harmonized standard	EN 13986:2004
AVCP System	2+
Notified Body	1034 / HFB Engineering GMBH, Leipzig, Germany
Certificate	1034-CPD-12983/1/10 dated 6th April 2010.

Essential characteristics	Declared performance	Technical Specification
Release of formaldehyde	E1 (phenolic resin bonded)	EN 13986 Annex B Note 2
Bond quality	Class 3	EN 314-1/2 Type testing
Density	580 Kg/m ³	EN 323 Type testing
Reaction to fire	D-s2, d0 / Flooring - DFL-s1	EN 13986 Table 8
Water vapour permeability	Wet - 70 μ / Dry - 200 μ	EN 13986 Table 9
Airborne sound insulation	R = 13 x lg (m _A) + 14	EN 13986 part 5.10
Sound absorption coefficient	0,10 / 0,30	EN 13986 Table 10
Thermal conductivity	0,13 W/(m.K)	EN 13986 Table 11
Content of pentachlorophenol	< 5 ppm	EN 13986 part 5.18
Biological durability	Class 2	EN 335 / EN 1099

Dimensional tolerances	Declared performance	Technical Specification
Length and width	+0 / -3.0mm	EN 324-2
Squareness	+/- 1.0 mm/m	
Straightness	+/- 1.0 mm/m	
Thickness	See below per Type	EN 324-1 / EN 315 / EN 12871
	Product Type	9mm 12mm 15mm 18mm 21mm 24mm 27mm 30mm
	Maximum (mm)	9,8 12,8 15,8 18,8 21,8 24,8 27,8 30,8
	Minimum (mm)	8,2 11,2 14,2 17,2 19,2 22,8 26,8 28,2

Essential characteristics	Declared performance	Technical Specification
Bending properties	See below per Type	EN 310 Type testing
	Type	9mm 12mm 15mm 18mm 21mm 24mm 27mm 30mm
Bending strength (N/mm ²)	Fk, 0	44,9 45,8 39,5 41,9 38,0 32,7 33,3 31,4
	Fk, 90	14,8 18,0 24,0 23,9 25,5 23,6 31,1 26,2
Bending stiffness (N/mm ²) MOE	Ek, 0	6.179 6.255 4.531 6.369 5.136 5.083 5.608 5.060
	Ek, 90	830 1.807 2.477 2.684 3.591 3.110 4.308 3.519



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Intended use (1)		Internal use as structural components in humid conditions.							
Essential characteristics		Declared performance				Technical Specification			
Strenght and stiffness for structural use (N/mm2)		See below per Type				EN 12369-2 / EN 636			
	Product Type	9mm	12mm	15mm	18mm	21mm	24mm	27mm	30mm
	Para. Fk, 0	30,0	30,0	25,0	25,0	25,0	20,0	20,0	20,0
	Perp. Fk, 90	10,0	10,0	15,0	15,0	15,0	15,0	20,0	15,0
	Para. Em, 0	6.000	6.000	4.000	6.000	5.000	5.000	5.000	5.000
	Perp. Em, 90	500	1.500	2.500	2.500	3.000	3.000	4.000	3.000

Intended use (2)		Structural wall sheathing on studs.							
Essential characteristics		Declared performance				Technical Specification			
Soft body impact resistance		Fulfilled for Type 12mm				EN 12781 / EN 596 Type testing			

Intended use (3)		Structural roof decking on joists.								
Essential characteristics		Declared performance				Technical Specification				
Strength and Stiffness under point load		See below per Type				EN 12781 / EN 1195 Type testing				
	Product Type	12mm / 15mm			15mm	18mm / 21mm / 24mm / 27mm				
	Edge type	Square / T&G			T&G	T&G				
	Spacing (mm)	400	450	600	810	1220				
Strength (N)	Fser	Middle	1.235	1.824	2.225	1.996	4.191			
		Joint	x	x	x	1.834	2.488			
	Fmax	Middle	3.236	3.528	2.941	3.316	5.210			
		Joint	x	x	x	2.705	2.630			
Stiffness (N/mm)	Rmean	Middle	455	402	233	213	178			
		Joint	x	x	x	172	114			
Impact resistance		Fulfilled	Fulfilled	Fulfilled	Fulfilled	Fulfilled				

Intended use (4)		Structural floor decking on joists.								
Essential characteristics		Declared performance				Technical Specification				
Strength and Stiffness under point load		See below per Type				EN 12781 / EN 1195 Type testing				
	Product Type	15mm	18mm / 21mm / 24mm / 27mm							
	Edge type	T&G	Square edge			T&G				
	Spacing (mm)	400	400	480	600	400	480	600	610	
Strength (N)	Fser	Middle	3.691	3.634	4.112	3.485	3.077	3.802	3.405	2.634
		Joint	2.813	x	x	x	2.795	2.696	2.464	2.689
	Fmax	Middle	5.064	6.003	5.779	4.915	4.993	5.297	5.270	4.682
		Joint	3.697	x	x	x	3.551	3.721	4.059	3.854
Stiffness (N/mm)	Rmean	Middle	739	1.025	858	605	952	804	586	554
		Joint	535	x	x	x	774	649	466	447
Impact resistance		Fulfilled	Fulfilled	Fulfilled	Fulfilled	Fulfilled	Fulfilled	Fulfilled	Fulfilled	

Place and date of issue	Issued by	Signature
Ibaiti, 1st July 2013.	Bartolomeu da Silva Neto Technical Director	