

1.10.2018

DECLARATION OF PERFORMANCE, DOP

No. KKN-04-001-CPR / 2412-CPR-1301-02

1. Product type

PLYWOOD: combi mirror structural plywood
Uncoated or coated

2. Type, batch or serial number or any other identification

KOSKISEN combi mirror structural plywood
Uncoated or coated

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer

Structural components according to EN 636

4. Name and address of the manufacturer

Koskisen Oy
Plywood mill
Tehdastie 2
16600 Järvelä
www.koskisen.com

5. System or systems of assessment and verification of constancy of performance

AVCP system 2+

6. Construction product covered by a harmonised standard

Finotrol Oy, notified production control certification body No 2412 performed initial inspection of the manufacturing plants and of factory production control and performs continuous surveillance, assessment and evaluation of factory production control under system 2+ and issued the certificate of conformity of the factory production control: **2412-CPR-1301-02**. Harmonised standard EN 13986:2004 + A1:2015.

7. Declared performance

Harmonised technical specification EN 13986:2004 + A1:2015

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KOSKISEN COMBI MIRROR PLYWOOD																			
Nominal thickness	Number of plies	Characteristic Strength						Mean Modulus of Elasticity				Characteristic Strength				Mean Modulus of Rigidity			
		Bending N/mm ²		Compression N/mm ²		Tension strength N/mm ²		Bending N/mm ²		Compression and tension N/mm ²		Panel shear N/mm ²		Planar shear N/mm ²		Panel shear N/mm ²		Planar N/mm ²	
		f _m	f _{m⊥}	f _c	f _{c⊥}	f _t	f _{t⊥}	E _m	E _{m⊥}	E _{t,c}	E _{t,c⊥}	f _v	f _{v⊥}	f _r	f _{r⊥}	G _v	G _{v⊥}	G _r	G _{r⊥}
6,5	5	50,9	16,6	29,3	15,8	42,2	12,3	12737	3538	9844	5688	7,0	7,0	2,05	1,78	581	581	66	123
9	7	45,6	18,3	28,3	16,4	40,8	12,8	11395	4535	9511	5935			1,72	2,35	579	579	69	155
12	9	42,9	19,0	27,7	16,8	40,0	13,1	10719	5037	9333	6067			1,78	2,22	578	578	69	170
15	11	41,3	19,3	27,4	17,0	39,5	13,2	10316	5337	9223	6149			1,68	2,39	577	577	69	178
18	13	40,2	19,5	27,2	17,2	39,2	13,4	10048	5536	9148	6205			1,71	2,34	577	577	69	183
21	15	39,4	19,6	27,0	17,3	39,0	13,5	9858	5677	9093	6245			1,66	2,41	577	577	69	186
24	17	38,9	19,7	26,9	17,4	38,8	13,5	9717	5782	9052	6276			1,68	2,39	577	577	69	189
27	19	38,4	19,7	26,8	17,4	38,7	13,6	9607	5863	9019	6300			1,65	2,43	576	576	68	190
30	21	38,1	19,8	26,7	17,5	38,5	13,6	9519	5928	8993	6319			1,66	2,41	576	576	68	192

Essential characteristics
Performance

Bonding quality	class 3, exterior	
Optional: wood preservative (Xyligen 30F)	protect against fungi	
Release of formaldehyde	E1	
Water vapour permeability	wet cup	dry cup
Density avg. 580 kg/m ³	88 μ	218 μ
Thermal conductivity birch W/(m K)	0,17	
Thermal conductivity combi/combi mirror W/(m K)	0,14	
Sound absorption	0,10 (250 Hz – 500 Hz)	0,30 (1 000 Hz – 2 000 Hz)
Airborne sound installation	NPD	
Impact resistance	NPD	
Strength and stiffness under point load	NPD	
Biological durability EN 335		
Uncoated or coated without edge sealing	use class 2	
Coated and edges protected	use class 3	
Fire class EN 13501		
Uncoated plywood	D-s2,d0 for 9 mm and thicker plywood	

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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 in accordance with Regulation N:o 305/2011 and is under the sole responsibility of the manufacturer identified in point 4.

Signed for and behalf of the manufacturer by

In Järvelä 1.10.2018



Juha Jalkanen
Director, Panel Industry