

12.1.2018

**DECLARATION OF PERFORMANCE, DOP**

No. KKN-03-012-CPR / 2412-CPR-1302-03

**1. Product type**

Particle board P5

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

General purpose use: particle board P5

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

Particleboard fulfils the demands of EN 312 standard.

P5 (EN 312) load-bearing boards for use in humid conditions.

**4. Name and address of the manufacturer**

Koskisen Oy

Chipboard mill

Tehdastie 2

16600 Järvelä

[www.koskisen.com](http://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-1302-03.

**7. Declared performance**

Harmonised technical specification EN 13986:2004+A1:2015

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 Characteristic strength value (N/mm<sup>2</sup>), P5 class particle board according to EN 312

Thickness mm	> 6-10	> 10-13	> 13-20	> 20-25	>25-32	>32-40
Bending strength (N/mm <sup>2</sup> )	18	18	16	14	12	10
Modulus of elasticity in bending (N/mm <sup>2</sup> )	2550	2550	2400	2150	1900	1700
Internal bond (N/mm <sup>2</sup> )	0,45	0,45	0,45	0,40	0,35	0,30
Swelling in thickness 24 h (%)	13	11	10	10	10	9
Moisture tolerance test						
Internal bond after cyclic testing (N/mm <sup>2</sup> )	0,25	0,25	0,22	0,20	0,17	0,15
Swelling in thickness after cyclic testing (%)	12	12	12	11	10	9

Essential characteristics	Performance	Harmonised technical specification
Release of formaldehyde	E1	EN 13986
Reaction to fire	D-s2, d0	
Water vapour permeability	3...7x10 <sup>-12</sup> kg/msPa	
Airborne sound insulation	NPD	
Sound absorption	NPD	
Thermal conductivity	0,13 W/(m k)	
Impact Resistance	NPD	
Strength and Stiffness under point load (N/mm <sup>2</sup> )	Category A, the span between the beams is 600 mm	
Mechanical Durability	Table 3.1	
detailed information can be found in Tables 3.1 & 3.2 of EN 1995-1-1	Table 3.2	
Biological durability (EN 335)	Class 1	

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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 under the sole responsibility of the manufacturer identified in point 4.

Signed for and behalf of the manufacturer by

In Järvelä 12.1.2018



Juha Jalkanen  
Director, Panel Industry