

**DECLARATION OF CONFORMITY, UPM PLYWOOD**

**No. UPM024CPR**

1. Unique identification code of the product-type:  
Structural spruce plywood, 12–30 mm
2. Intended uses:  
For internal use as a structural component in dry conditions, EN 636-1  
For protected external use as a structural component in humid conditions, EN 636-2
3. Manufacturer:  
WISA®  
UPM Plywood Oy  
P.O. Box 203  
FI-15141 Lahti, Finland  
[www.wisaplywood.com](http://www.wisaplywood.com)
4. Authorized representative  
UPM Wood Material (UK) Limited  
Station House Stamford New Road  
Altrincham  
WA14 1EP Cheshire  
United Kingdom
5. System of AVCP:  
AVCP system 1
- 6a. Harmonised standard:  
EN 13986:2004 + A1:2015  
EN 13501-1+A1

Notified body:

CATG Ltd No. 1245 has performed the initial inspection of the manufacturing plant and a factory production control and continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control 1245-CPR-5003A.

7. Declared performance:

Essential characteristics	Performance	Harmonised standard
Point load strength and stiffness	NPD	EN 13986:2004+A1:2015
Racking resistance	Calculation according to EN 1995-1-1	
Impact resistance	NPD	
Water vapour permeability $\mu$	Wet 66, dry 190	
	Mean density 460 kg/m <sup>3</sup>	
Release of formaldehyde	E1	
Content of pentachlorophenol (PCP)	≤ 5 ppm	
Airborne sound insulation	NPD	
Sound absorption $\alpha$	0,10/0,30	
Thermal conductivity $\lambda$	0,13 W/mK	
Embedment strength	Calculation according to EN 1995-1-1	
Air permeability	NPD	
Bonding quality (acc. to EN 314-2)	Class 3	
Biological durability	Use class 2	

Reaction to fire			
End use condition <sup>(6)</sup>	Minimum thickness (mm)	Class <sup>(7)</sup> (excluding floorings)	Class <sup>(8)</sup> (floorings)
Any <sup>(5)</sup>	12	B-s1, d0	B <sub>fl</sub> -s1

(5)

Veneered, phenol- and melamine-faced panels are included for class excl. floorings.

<sup>(6)</sup> A vapour barrier with a thickness up to 0,4 mm and a mass up to 200 g/m<sup>2</sup> can be mounted in between the wood-based panel and a substrate if there are no air gaps in between.

<sup>(7)</sup> Class as provided for in Table 1 of the Annex to Decision 2000/147/EC.

<sup>(8)</sup> Class as provided for in Table 2 of the Annex to Decision 2000/147/EC.

Nominal thickness		12	15	18	21	24	27	30	Harmonised standard EN 13986:2004+A1:2015
Number of plies		5	5	7	7	9	9	11	
Essential characteristics		Performance							
Characteristic bending strength N/mm <sup>2</sup>	$f_{m  }$	22,8	23	20,4	18,9	19,4	19,3	18,7	
	$f_{m\perp}$	11,4	11,2	13	14,3	13,1	13,8	13,3	
Characteristic compression strength N/mm <sup>2</sup>	$f_{c  }$	17,4	17,5	16,7	16,0	17,0	15,5	17,2	
	$f_{c\perp}$	12,6	12,5	13,3	14,0	13,0	14,5	12,8	
Characteristic tension strength N/mm <sup>2</sup>	$f_{t  }$	10,5	10,5	10	9,6	10,2	9,3	10,3	
	$f_{t\perp}$	7,5	7,5	8	8,4	7,8	8,7	7,7	
Mean MOE in bending N/mm <sup>2</sup>	$E_{m  }$	9123	9201	8170	7547	7751	7702	7479	
	$E_{m\perp}$	2876	2799	3830	4453	4249	4298	4521	
Mean MOE in compression and tension N/mm <sup>2</sup>	$E_{t,c  }$	6968	7013	6682	6408	6800	6182	6868	
	$E_{t,c\perp}$	5032	4987	5318	5592	5200	5818	5132	
Char. panel shear N/mm <sup>2</sup>	$f_{v  }$	3,5		3,5					
	$f_{v\perp}$	3,5		3,5					
Mean MOR in panel shear N/mm <sup>2</sup>	$f_{r  }$	1		1					
	$f_{r\perp}$	0,6		0,8					
Mean MOR in panel shear N/mm <sup>2</sup>	$G_{v  }$	350		350					
	$G_{v\perp}$	350		350					
Mean MOR in planar shear N/mm <sup>2</sup>	$G_{r  }$	50		50					
	$G_{r\perp}$	30		30					
Strength and stiffness under point load	NPD								
Impact resistance	NPD								
$k_{mod}$ and $k_{def}$ values according to EN 1995-1-1									

The performance of the product identified above is in conformity with the set of declared performances. 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:

Lahti, Finland, January 10th, 2022



Riku Härkönen, Product Manager  
UPM Plywood