

DECLARATION OF CONFORMITY, UPM PLYWOOD

No. UPM010CPR

1. Unique identification code of the product-type:
Structural birch maxi plywood, uncoated or coated, 9–31 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
For external use as a structural component with coating and edge sealing, EN 636-3
3. Manufacturer:
WISA®
UPM Plywood Oy
P.O. Box 203
FI-15141 Lahti, Finland
www.wisaplywood.com
4. Authorized representative
UPM Wood Material (UK) Limited
Rutherford House, First Floor, Warrington Road, Birchwood
Warrington, Cheshire
WA3 6ZH
United Kingdom
5. System of AVCP:
AVCP system 2+
- 6a. Harmonised standard:
EN 13986:2004 + A1:2015

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 certificates of conformity of the factory production control 1245-CPR-5001 (Savonlinna).

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 μ	Wet 90, dry 220 (uncoated)	
	Mean density 680 kg/m ³	
Release of formaldehyde	E1	
Content of pentachlorophenol (PCP)	≤ 5 ppm	
Airborne sound insulation	NPD	
Sound absorption α	0,10/0,30	
Thermal conductivity λ	0,17 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 (uncoated)	
	Use class 3 (coated and edge sealed)	

Reaction to fire			
End use condition (6)	Minimum thickness (mm)	Class (7) (excluding floorings)	Class (8) (floorings)
Without an air gap behind the wood-based panel ^{(1), (2), (5)}	9	D-s2, d0	D _{fl} -s1
With a closed or an open air gap not more than 22 mm behind the wood-based panel ^{(3), (5)}	9	D-s2, d2	-
With a closed air gap behind the wood-based panel ^{(4), (5)}	15	D-s2, d1	D _{fl} -s1
With an open air gap behind the wood-based panel ^{(4), (5)}	18	D-s2, d0	D _{fl} -s1

⁽¹⁾ Mounted without an air gap directly against class A1 or A2-s1, d0 products with minimum density 10kg/m³ or at least class D-s2, d2.

⁽²⁾ A substrate of cellulose insulation material of at least class E may be included if mounted directly against the wood-based panel, but not for floorings.

⁽³⁾ Mounted with an air gap behind. The reverse face of the cavity shall be at least class A2-s1, d0 products with minimum density 10 kg/m³.

⁽⁴⁾ Mounted with an air gap behind. The reverse face of the cavity shall be at least class D-s2, d2 products with minimum density 400 kg/m³.

⁽⁵⁾ Veneered, phenol- and melamine-faced panels are included for class excl. floorings.

⁽⁶⁾ A vapour barrier with a thickness up to 0,4 mm and a mass up to 200 g/m² can be mounted in between the wood-based panel and a substrate if there are no air gaps in between.

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

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

Nominal thickness		9	12	15	18	21	22	24	27	30	31
Number of plies		7	9	11	13	15	16	17	19	21	22
Essential characteristics		Performance									
Characteristic bending strength N/mm ²	$f_{m\parallel}$	32,1	30,7	30,0	29,5	29,3	29,2	29,1	28,9	28,8	28,7
	$f_{m\perp}$	32,1	33,2	33,8	34,1	34,3	34,3	34,4	34,5	34,6	34,6
Characteristic compression strength N/mm ²	$f_{c\parallel}$	NPD									
	$f_{c\perp}$	NPD									
Characteristic tension strength N/mm ²	$f_{t\parallel}$	NPD									
	$f_{t\perp}$	NPD									
Mean MOE in bending N/mm ²	$E_{m\parallel}$	10026	9591	9366	9231	9142	9114	9080	9034	8999	8983
	$E_{m\perp}$	6105	6781	7184	7452	7642	7713	7783	7893	7981	8020
Mean MOE in compression and tension N/mm ²	$E_{t,c\parallel}$	NPD									
	$E_{t,c\perp}$	NPD									
Char. panel shear N/mm ²	$f_{v\parallel}$	NPD									
	$f_{v\perp}$	NPD									
Char. Planar shear N/mm ²	$f_{r\parallel}$	NPD									
	$f_{r\perp}$	NPD									
Mean MOR in panel shear N/mm ²	$G_{v\parallel}$	NPD									
	$G_{v\perp}$	NPD									
Mean MOR in planar shear N/mm ²	$G_{r\parallel}$	NPD									
	$G_{r\perp}$	NPD									
Strength and stiffness under point load		NPD									
Impact resistance		NPD									
K _{mod} and K _{def} values according to EN 1995-1-1											

Harmonised standard EN 13986:2004+A1:2015

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 1st, 2023



Timo Lindroos, Product Manager
UPM Plywood