

DECLARATION OF PERFORMANCE, 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-Kymmene Wood Oy
P.O. Box 203
FI-15141 Lahti, Finland
www.wisaplywood.com
5. System of AVCP:
AVCP system 2+
- 6a. Harmonised standard:
EN 13986:2004 + A1:2015

Notified body:

Inspecta Sertifiointi Oy No. 0416 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 0416-CPR-7111.

7. Declared performance:

Essential characteristics	Performance	Harmonised standard
Reaction to fire	D-s2,d0	EN 13986:2004+A1:2015
	Dfl-s1 (flooring)	
Water vapour permeability μ	wet 90, dry 220 (uncoated)	
Release of formaldehyde	E1	
Content of pentachlorophenol (PCP)	Does not contain	
Airborne sound insulation	NPD	
Sound absorption α	0,10/0,30	
Thermal conductivity λ	0,17	
Bonding quality (acc. to EN 314-2)	Class 3	
Biological durability	Use class 2 (uncoated)	
	Use class 3 (coated and edge sealed)	
Mean density kg/m ³	680	

7. Declared performance

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	$f_{m }$	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	$f_{c }$	NPD									
	$f_{c\perp}$	NPD									
Characteristic tension strength N/mm ²	$f_{t }$	NPD									
	$f_{t\perp}$	NPD									
Mean MOE in bending N/mm ²	$E_{m }$	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	$E_{t,c }$	NPD									
	$E_{t,c\perp}$	NPD									
Char. panel shear N/mm ²	$f_{v }$	NPD									
	$f_{v\perp}$	NPD									
Char. Planar shear N/mm ²	$f_{r }$	NPD									
	$f_{r\perp}$	NPD									
Mean MOR in panel shear N/mm ²	$G_{v }$	NPD									
	$G_{v\perp}$	NPD									
Mean MOR in planar shear N/mm ²	$G_{r }$	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, November 11th, 2016



Sirku Heinen, Product Manager
UPM Plywood