

DECLARATION OF PERFORMANCE, UPM PLYWOOD

No. UPM024CPR

1. Unique identification code of the product-type:
Structural spruce plywood, 15–18 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
5. System of AVCP:
AVCP system 1
- 6a. Harmonized standard:
EN 13986:2004 + A1:2015
EN 13501-1+A1

Notified body:
Inspecta Sertifiointi Oy No. 0416
Certificate of constancy of performance 0416-CPR-9606.

7. Declared performance:

Essential characteristics	Performance	Harmonised standard
Reaction to fire	B-s1,d0	EN 13986:2004+A1:2015
	Bfl-s1 (flooring)	
Water vapour permeability μ	wet 66, dry 190	
Release of formaldehyde	E1	
Content of pentachlorophenol (PCP)	<5ppm	
Airborne sound insulation	NPD	
Sound absorption α	0,10/0,30	
Thermal conductivity λ	0,13	
Bonding quality (acc. to EN 314-2)	Class 3	
Biological durability	Use class 2	
Mean density kg/m ³	460	

7. Declared performance

Nominal thickness		15	18
Number of plies		5	7
Essential characteristics		Performance	
Characteristic bending strength N/mm ²	$f_{m\parallel}$	23,0	20,4
	$f_{m\perp}$	11,2	13,0
Characteristic compression strength N/mm ²	$f_{c\parallel}$	17,5	16,7
	$f_{c\perp}$	12,5	13,3
Characteristic compression strength N/mm ²	$f_{t\parallel}$	10,5	10,0
	$f_{t\perp}$	7,5	8,0
Mean MOE in bending N/mm ²	$E_{m\parallel}$	9201	8170
	$E_{m\perp}$	2799	3830
Mean MOE in compression and tension N/mm ²	$E_{t,c\parallel}$	7013	6682
	$E_{t,c\perp}$	4987	5318
Char. panel shear N/mm ²	$f_{v\parallel}$	3,5	3,5
	$f_{v\perp}$	3,5	3,5
Mean MOR in panel shear N/mm ²	$f_{r\parallel}$	1	1
	$f_{r\perp}$	0,6	0,8
Mean MOR in panel shear N/mm ²	$G_{v\parallel}$	350	350
	$G_{v\perp}$	350	350
Mean MOR in planar shear N/mm ²	$G_{r\parallel}$	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			

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 10, 2017



Riku Härkönen, Product Manager
UPM Plywood