

DECLARATION OF PERFORMANCE, UPM PLYWOOD

No. UPM026CPR

1. Unique identification code of the product-type:
Structural spruce plywood, Multi-coated, 9–12 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
5. System of AVCP:
AVCP system 2+
- 6a. Harmonised standard:
EN 13986:2004 + A1:2015

Notified body:

Inspecta Sertifointi 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 certificate of conformity of the factory production control 0416-CPR-7110.

7. Declared performance:

Essential characteristics	Performance		Harmonised standard
Reaction to fire	End use condition: any	F	EN 13986:2004+A1:2015
Point load strength and stiffness	NPD		
Racking resistance	Calculation according to EN 1995-1-1		
Impact resistance	NPD		
Water vapour permeability μ	NPD		
	Mean density 500 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	0,13 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 3		

Nominal thickness		9	12	Harmonised standard EN 13986:2004+A1:2015
Number of plies		5	7	
Essential characteristics		Performance		
Characteristic bending strength N/mm ²	$f_{m \parallel}$	22,5	20,6	
	$f_{m \perp}$	11,8	13,3	
Characteristic compression strength N/mm ²	$f_{c \parallel}$	17,2	15,8	
	$f_{c \perp}$	12,8	14,8	
Characteristic tension strength N/mm ²	$f_{t \parallel}$	10,3	9,5	
	$f_{t \perp}$	7,7	8,9	
Mean MOE in bending N/mm ²	$E_{m \parallel}$	8995	8231	
	$E_{m \perp}$	3005	3826	
Mean MOE in compression and tension N/mm ²	$E_{t,c \parallel}$	6894	6328	
	$E_{t,c \perp}$	5106	5902	
Char. panel shear N/mm ²	$f_{v \parallel}$	3,5		
	$f_{v \perp}$	3,5		
Char. Planar shear N/mm ²	$f_{r \parallel}$	1,0		
	$f_{r \perp}$	0,8		
Mean MOR in panel shear N/mm ²	$G_{v \parallel}$	350		
	$G_{v \perp}$	350		
Mean MOR in planar shear N/mm ²	$G_{r \parallel}$	50		
	$G_{r \perp}$	40		
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, November 5th, 2018



Sirku Salmikuukka Product Manager
UPM Plywood