



DECLARATION OF PERFORMANCE

In accordance with the Regulation on Construction Products 305/2011/EC and Annex ZA.2 of EN 13986:2004, we

as a manufacturer of construction products

SOLID WOOD PANELS

Service class: 1 (interior use, dry conditions)

Technical class (EN 13353:2011): SWP/1 S (structural use)

Intended use: staircases

Wood species and dimensions:

Wood species	Thickness [mm]	Width x Length [mm]
Beech	42.7 and 40	Order specification
Ash	42.7	Order specification
Oak	45 and 36	Order specification

declare or not declare (NPD) the following performances:

Performance	Standard	Value or class
Bending strength ($f_{m,k}$)	EN 13986, 5.1 EN 338	Beech (42.7): Beech (40): Ash (42.7): Oak (36): Oak (45):
Bending stiffness module ($E_{m,k}$)	EN 13986, 5.2 EN 338	Beech (42.7): Beech (40): Ash (42.7): Oak (36): Oak (45):
Bonding strength (f_v)	EN 13986, 5.3 EN 338	Beech (42.7): Beech (40): Ash (42.7): Oak (36): Oak (45):
Tensile strength ($f_{t,90,k}$)	EN 13986, 5.13 EN 338	NPD
Tensile stiffness module ($E_{t,k}$)	EN 13986, 5.13 EN 338	NPD
Shear strength ($f_{v,k}$)	EN 13986, 5.13 EN 338	Beech (42.7): Beech (40): Ash (42.7): Oak (36): Oak (45):
Shear strength module ($G_{v,k}$)	EN 13986, 5.13 EN 338	Beech (42.7): Beech (40): Ash (42.7): Oak (36): Oak (45):
Moisture resistance	EN 13986, 5.6	NPD
Formaldehyde emission	EN 13986, 5.7	E0
Pentachlorophenol emission (PCP)	EN 13986, 5.18	0
Reaction to fire	EN 13986, 5.8 Table 8	D _{fl} - s1
Vapour water permeability	EN 13986, 5.9 Table 9	NPD
Acoustic insulation	EN 13986, 5.10	NPD
Acoustic absorption	EN 13986, 5.11	NPD

	Table 10	
Thermal conductivity (λ)	EN 13986, 5.12 Table11	Beech: 0.15 Ash 0.15 Oak: 0.17
Impact resistance	EN 13986, 5.14	NPD
Compression strength ($f_{c,90,k}$)	EN 338	Beech (42.7): Beech (40): Ash (42.7): Oak (36): Oak (45):
Mechanical durability (long term modification)	EN 13986, 5.16	
Biological durability	EN 13986, 5.17	

According to Annex ZA.3 of standard EN 13986:2004 the compliance assessment and constancy of performance system 2+ has been established and Initial Type Testing and Factory Production Control has been performed by Notified Body:

Zavod za gradbeništvo, Dimičeva 12, SI-1000 Ljubljana, Slovenia (ID 1404)
Certificate nr.: 1404-CPD-XYZ

European Technical Assessment (ETA) is not necessary.

Products are not surface treated with lacquering or chemical substances and do not contain harmful substances according to REACH regulation 1907/2006/EC.

Batch identification is seen from accompanying Delivery note. Products are marked in accordance with Annex ZA.3 of EN 13986:2004.

Kočevska Reka, 25th November 2013

Name Surname,
director