

DECLARATIONS of PERFORMANCE

according to regulation (EU) No. 305/2011 of the European Parliament and of the Council of 09.03.2011, Annex III

For

STRUCTURAL and NON-STRUCTURAL CONSTRUCTION PRODUCTS

according to harmonized standard

EN 13986:2004+A1:2015



MANUFACTURER: TILLY Holzindustrie GesmbH

Krappfelder Straße 27, 9330 Althofen, Austria

Phone: +43 4262/2143-0 Fax: +43 4262/4144 E-Mail: office.platten@tilly.at Internet: www.tilly.at

Version: G

Last update: 04.06.2021 Valid starting from production code E 155



Declarations of Performance

Document-No:
DoPen
DoPenTILLY2021G

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Panel densities at 20° C/65% [kg/m³], ± 10 kg/m³

SOFTWOOD-PANELS:		HARDWOOD-PANELS:	
SPRUCE	470 kg/m³	MAPLE	630kg/m^3
PINE	550 kg/m³	BIRCH	580 kg/m³
LARCH	580 kg/m³	BEECH	660 kg/m³
DOUGLAS FIR	510 kg/m³	OAK	650 kg/m³
SWISS STONE PINE	500 kg/m³	ALDER	490 kg/m³
FINELINE 19 mm	535 kg/m³	ASH	$630 kg/m^3$
FINELINE 26 + 42 mm	515 kg/m³	CHERRY	550 kg/m³

Note: The indication of the panel densities in the declaration of performance is in accordance with EN 13986 not allowed. Knowledge of the panel densities in conjunction with the following declarations of performance is helpful!

Older versions of the declarations of performance can be requested at office.platten@tilly.at

The products manufactured by TILLY are not subject to a REACH registration requirement!



Declaration of Performance

according to Annex III of Regulation (EU) No. 305/2011

Document-No:
DoP01b
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3layer solid wood panel softwood

as structural component for interior or protected exterior use in dry and humid conditions SWP/2 S L3, softwood 17 – 60 mm

- 1. Unique identification code of the product type:
 - 3layer solid wood panels softwood SWP/2 S (structural) L3, 17-60 mm Species: Spruce, Antique Spruce, Pine, Larch, Douglas Fir, Swiss Stone Pine
- 2. Batch number: 7-8digit code on the longitudinal edges of the panel or pallet label (packaging) e.g. 42 E 155 5 (codes for production plant, year and date of production, inspector)
- Intended use of the construction product as intended by the manufacturer:
 SWP/2 S L3: 3layer solid wood panel as structural component for interior (or exterior protected) use in dry and humid conditions, acc. to EN 13353
- 4. Name and address of the manufacturer: TILLY Holzindustrie GesmbH; A-9330 Althofen, Krappfelder Straße 27; office.platten@tilly.at; www.tilly.at
- 5. Authorized representative: not applicable
- 6. System of assessment and verification of constancy of performance of the construction product: 2+
- 7. Name and contact of the notified body for a harmonized construction product: Entwicklungs- und Prüflabor Holztechnologie GmbH D-01217 Dresden, www.eph-dresden.de (identification number 0766) performed initial type testing in accordance with system 2+ acc. to EN 13986:2004+A12015 and issued the following certificates of the factory production control: Certificate 0766-CPR-377-1 EPH Dresden performs the continuous surveillance, assessment and approval of the factory production control.
- 8. European Technical Assessment (ETA): not applicable
- 9. Declared performance:

Significant Characteristics							Perf	forma	nce				harm.
	SWP/2 S L3 softwood 17-60 mm	Nominal thicknes range m	S	17	'-20	>2	20 - 3	0 >	30 - 4	2	> 42	- 60	technical Specification:
1+	Bending strength					•	See	point	13,				
2	Bending stiffness								for struc				
3	Bonding strength			SWP/2 acc. to EN 13354:2008 (pretreatment 2) $0.8 \le \text{fv} \le 1.2 \text{ N/mm}^2 \text{ (wood failure } \ge 20\%\text{)}$									
4	Internal bond				0,8	21/21	,2 11/11	NPD	oou ranc	JI € 2.	2070)		
5	Durability (moisture expansion)							NPD					
6	Durability (moisture resistance)					SV	VP/2; 0),8 ≤ fv	′ ≤ 1,2 N,	/mm ²	2		
7	Release of formaldehyde	Class						E1	L				
		Class reaction to fire		Minim Thickn		Enduce condition							ιή
8	Reaction to fire	D-s2, d0		12 m 15 m			hind wood panel d wood panel				1:20		
				18 mm With air gap behind wooden material							4+A		
		D-s2, d	2	12 m	12 mm With air gap closed or open and no greater than 22 mm behind wood panel					ater	5:200		
9	Water vapour permeability μ (species: humid/dry)	μ[1]		Spruce Dougla		193 71/201		75/205 S	5 wiss Sto		rch: 78, ne: 70/		EN 13986:2004+A1:2015
		R [dB]	mm	17	19	22	26	27	32	42	50	60	S
		Spruce		25,7	26,4	27,2	28,1	28,3	29,3	30,8	31,8	32,9	
10	Airborne sound insulation R	Pine		26,6	27,2		29,0	29,2	ļ	31,7	32,7	33,7	
	7 iii 20111e 30ana iii 3anation ii	Larch		26,9	27,5		29,3	29,5		32,0	33,0	34,0	
		Douglas		26,2 26,1	26,8		28,6	28,8	ļ	31,3	32,3	33,3	
		Swiss Stor	Swiss Stone Pine		26,7		28,5	28,7		31,2	32,2	33,2	
11	Sound absorption $\boldsymbol{\alpha}$	α [1]					,1 ,3		·500 Hz) 0-2000 H	 17)			
4.5		2 504//	143	Spruce: 0,12 Pine: 0,14					,				
12	Thermal conductivity λ	λ [W/m	ηKJ	Dougla	<u>-</u>			<i>i</i> <u>-</u>	Swiss Stone Pine 0,13				



Declaration of Performance

according to Annex III of Regulation (EU) No. 305/2011

Document-No:
DoP01b
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3 layer solid wood panel softwood

as structural component for interior or protected exterior use in dry and humid conditions SWP/2 S L3, softwood 17 – 60 mm

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	Significant Charact		Perfor	mance		harm.								
	Strength and stiffness for structural use [N/mm²]	Nominal thickness range [mm]	17-20	>20 - 30	>30 - 42	> 42 - 60	technical Specification							
		Par	nel loading											
	Bending strength	f _{m,0}	35	30	16	12								
	bending strength	f _{m,90}	5	5	9	9	_							
	Bending stiffness	Em, 0 *)	10000	8200	7600	7100	_							
	(modulus of elasticy)	E _{m,90} *)	550	550	1500	1500	_							
	Shear strength	f _{v,0}	4	4	3,5	2,5								
	(panel shear)	f _{v,90}	5	3,5	2,5	2	_							
	Shear modulus	G _{v,0} *)		47	70									
	(panel shear)	G _{v,90} *)		47										
		Plar	nar loading				_							
	Bending strength	f _{p,0}	25	14	12	10								
13	(planar shear)	f _{p,90}	12	12	12	12								
	Bending stiffness	E _{p,0} *)	4700	2900	2400	1800	_							
	(MOE planar shear)	E _{p,90} *)	3500	3500	4700	4700	_							
	Tensile strength	f _{t,0}	16	9	6	6								
		f _{t,90}	6	6	6	6	201							
	Tensile stiffness	E _{t,0} *)	4700	3500	2400	2400	A1:							
	(MOE)	E _{t,90} *)	2900	2900	2900	2900	44							
	Compression strength	f _{c,0}	16	16	10	10	500							
	Compression strength	f _{c,90}	10	10	16	16	86:							
	Shear strength	f _{r,0}	1,6	1,6	1,2	1,2	EN 13986:2004+A1:2015							
	(planar shear)	f _{r,90}	1,4	1,4	1,4	1,4	Z.							
	Shear modulus	Gr,0 *)		4	1	_								
	(planar shear)	Gr,90 *)		4										
	*) All stiffnesses (MOE) are stated as me $E_k(5\%) = E_{mean} \times 0.85$	an, reduce the m	nean values by a	factor of 0.85 to	get the characte	ristic values:								
			pern	nanent impact	0,6]							
	Machanical durability k		long	impact	0,7									
1 /	Mechanical durability k _{mod} (modification coefficient)	k _{mod} [1]	med	ium impact	0,8									
14	(modification coefficient)		shor	t impact	0,9									
			very	short impact	1,1									
	k _{def} (deformation coefficient)	k _{def} [1]	Class	of use 2:	0,8									
15	Biological Durability	Class		Use c	lass 2									
16	Content of pentachlorophenol	PCP		< 5	opm									
17	Wall panel capacity	F _{Rd,max} , [N]		NF	PD									
18	Embedment strength	f _h [N/mm²]		NF	PD		1							
NF	PD no property determined	-	•				1							

10. Signed for and on behalf of the manufacturer:

Althofen, 04.06.2021

Mag. Mario Wagner
Director
TILLY Holzindustrie GesmbH

TILLY HOLDINDUSTRIE

GESELLSCHAFTM.B.H.

A-9330 ALTHOFEN, KRAPPFELDERSTR. 27

+43(0) 4262 / 2143 FAX / 43(0) 4262 / 4144



Entwicklungs- und Prueflabor Holztechnologie GmbH Zellescher Weg 24 · 01217 Dresden · Germany www.eph-dresden.de





accredited by Deutsche Akkreditierungsstelle GmbH (DAkkS)

European Notified Body for construction products 0766 Recognized body of DIBt SAC03



CERTIFICATE OF CONFORMITY OF THE FACTORY PRODUCTION CONTROL

0766 - CPR - 377-1

In compliance with Regulation (EU) No 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation CPR), this certificate applies to the construction product

Tilly Dreischichtplatte

threelayer Solid Wood Panel acc. to EN 13353:2011 as structural component for internal use in humid conditions, technical class SWP/2 S L3 (load bearing) nominal thickness range 17 to 60 mm

produced by:

TILLY HOLZINDUSTRIE Ges. m. b. H. Krappfelder Str. 27 9330 Althofen, Austria

in the manufacturing plant:

TILLY HOLZINDUSTRIE Ges. m. b. H., Althofen, Austria

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard

EN 13986:2004+A1:2015

under system 2+ are applied and that

the factory production control fulfils all the requirements prescribed therein.

This certificate was first issued on 5 June 2020 and will remain valid as long as the test methods and/or factory production control requirements included in the harmonized standard, used to assess the performance of the declared characteristics, do not change, and the product and the manufacturing conditions in the plant are not modified significantly.

Dresden, 5 June 2020

SURVEILLANCE OF FPC

GmbH

Dr.-Ing. Rico Emmler Notified Certification Body

Date



Declaration of Performance

according to Annex III of Regulation (EU) No. 305/2011

Document-No:
DoP02b
DoPenTILLY2021G

3 layer solid wood panel softwood

as non-structural component for interior or exterior protected use in dry and humid conditions SWP/2 NS L3, softwood 13 – 16 mm

Version **G**

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1. Unique identification code of the product type:

3layer solid wood panels softwood SWP/2 NS (non-structural) L3, 13-16mm

- 2. Batch number: 7-8 digit code on the longitudinal edges of the panel or pallet label (packaging); **e.g. 41 E 155 5** (codes for production plant, year and date of production, inspector)
- 3. Intended use of the construction product as intended by the manufacturer:
 - **SWP/2 NS L3:** 3 layer solid wood panel as non-structural component for interior or exterior protected use in dry and humid conditions, acc. to EN 13353
- 4. Name and address of the manufacturer: TILLY Holzindustrie GesmbH; A-9330 Althofen, Krappfelder Straße 27; office.platten@tilly.at; www.tilly.at
- 5. Authorized representative: not applicable
- 6. System of assessment and verification of constancy of performance of the construction product: 4
- 7. Name and contact of the notified body for a harmonized construction product: not applicable
- 8. European Technical Assessment (ETB): not applicable
- 9. Declared performance:

	Significant Characterist	ics			Performance		harm.				
	SWP/2 NS L3 softwood 13-16 mm	Standard thickness	13	3	15	16	technical specification:				
•	Bending strength	f _{m,0}			NPD						
1	(panel shear)	f _{m,90}			NPD		1				
2	Bonding strength	f _v			EN 13354:2008 (pi ,2 N/mm² (wood fa						
3	Internal bond			NPD							
4	Durability (moisture expansion)				NPD						
5	Durability (moisture resistance)			SWP	/2; 0,8 ≤ fv ≤ 1,2 N,	/mm²					
6	Release of formaldehyde	Class									
		Class	Minimum Thickness		End use cond	ition	2015				
			12 mm	Witho	ut air gap behind w	ood panel	11:3				
7	Reaction to fire	D-s2, d0	15 mm		ir gap behind wood	·····	. ++				
			18 mm	18 mm With air gap behind wooden material With air gap closed or open and no greater							
		D-s2, d2	12 mm	With a than 2	EN 13986:2004+A1:2015						
8	Water vapour permeability μ	μ[1]	SPRUCE	67/193	DOUGLAS FI	R 71/201	13				
0	(species: humid/dry)	μ[1]	PINE	75/205	LARCH 78	3/208	EN				
9	Airborne sound insulation R	R [dB]	24,	,2	25,0	25,4					
10	Sound absorption α	o [1]	0,	,1	(250-500 Hz)						
10		α [1]	0,	,3	(1000-2000 Hz)					
11	Thermal conductivity λ	λ [W/mK]	SPRUCE	0,12	DOUGLAS FIF	R 0,13					
11	Thermal conductivity A	/ [VV/IIIK]	PINE	0,14	LARCH	0,15					
12	Biological Durability										
13	Content of pentachlorophenol	PCP		< 5 ppm							
NP	Dno property determined										

10. Signed for and on behalf of the manufacturer:

Althofen, 04.06.2021

Mag. Mario Wagner
Director
TILLY Holzindustrie GesmbH

TILLY HOLZINDUSTRIE

GESELISCHAFT M.B.H.

A-9330 ALTHOPEN, KRAPPFELDERSTR. 27

+43(0) 1262 / 2143 FAX +43(0) 4262 / 4144



Declaration of Performance

according to Annex III of Regulation (EU) No. 305/2011

Document-No:
DoP03b
DoPenTILLY2021G

Version **G**

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3layer solid wood panel hardwood

as non-structural component for interior or exterior protected use in dry and humid conditions, SWP/2 NS L3, hardwood 20 + 26 mm

1. Unique identification code of the product type:

3layer solid wood panels hardwood SWP/2 NS (non-structural) L3, 20-26 mm

- 2. Batch number: 7-8digit code on the longitudinal edges of the panel or pallet label (packaging);
 - e.g. 41 E 155 5 (codes for production plant, year and date of production, inspector)
- 3. Intended use of the construction product as intended by the manufacturer:
 - **SWP/2 NS L3:** 3 layer solid wood panel as non-structural component for interior or exterior protected use in dry and humid conditions, acc. to EN 13353
- 4. Name and address of the manufacturer: **TILLY Holzindustrie GesmbH**; A-9330 Althofen, Krappfelder Straße 27; office.platten@tilly.at; www.tilly.at
- 5. Authorized representative: not applicable
- 6. System of assessment and verification of constancy of performance of the construction product: 4
- 7. Name and contact of the notified body for a harmonized construction product: not applicable
- 8. European Technical Assessment (ETA): not applicable
- 9. Declared performance:

	Significant characteristic			P	erformance			harm.	
	SWP/2 NS L3 hardwood 20 – 26 mm	Standard thickness		20		26	technical specification		
1	Bending strength (panel shear)	f _{m,0}			NPD				
_	bending strength (paner shear)	f _{m,90}			NPD				
2	Bonding strength	f _v			13354:2008 (p				
		.,	0,8	$8 \le \text{fv} \le 1,2 \text{ N}$	I/mm² (wood f	failure ≥	:20%)		
3	Internal bond			NPD					
4	Durability (moisture expansion)			NPD SWP/2; 0,8 ≤ fv ≤ 1,2 N/mm ²					
5	Durability (moisture resistance)								
6	Release of formaldehyde	Class		1	E1				
		Class	Minimum Thickness						
			12 mm	Without a	anel	<u>.</u>			
7	Reaction to fire	D-s2, d0	15 mm		gap behind wo	.		EN 13986:2004+A1:2015	
			18 mm		gap behind wo				
		D-s2, d2	12 mm		gap closed or on medical manager of the contract of the contra			04+7	
			MAPLE	83/213	ALDER	69/198	8	3:50	
8	Water vapour permeability μ	μ[1]	BIRCH	78/208	ASH	83/213	3	986	
٥	(Species: humid/dry)	μ[1]	BEECH	86/216	CHERRY	75/20	5	13	
			OAK	85/215				E.S.	
9	Airborne sound insulation R	R [dB]		27,2		29,0)		
10	Sound absorption α	α [1]		0,1 (250-500 Hz)				
10	σομια αυσοιρτίστι α	α [1]		0,3 (1000-2000 Hz)			
			MAPLE	0,16	AL	DER	0,13		
11	Thermal conductivity λ	λ [W/mK]	BIRCH	0,15	AS	H	0,16		
111	inermar conductivity A	\ [VV/111K]	BEECH	0,16	СН	ERRY	0,14		
			OAK	0,16					
12	Biological Durability	[1]			Use class 2				
13	Content of pentachlorophenol	PCP							
NP	Dno property determined								

40 -- 10 1 1 1 1 1 1 1 1 1

10. Signed for and on behalf of the manufacturer:

Althofen, 04.06.2021

Mag. Mario Wagner
Director
TILLY Holzindustrie GesmbH

THIX HOLDINDUSTRIE

GESELLSCHAFTMEH.

A-9330 ALTHOPEN KRAPPFELDERSTR. 27

+43(0)4262 / 2143 FAX /+43(0) 4262 / 4144



Declaration of Performance

according to Annex III of Regulation (EU) No. 305/2011

Document-No:
DoP04b
DoPenTILLY2021G

3layer solid wood panel softwood FINELINE

as non-structural component for interior or exterior protected use in dry and humid conditions SWP/2 NS L3, 19 – 42 mm FINELINE

Version **F**

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1. Unique identification code of the product type:

3layer solid wood panel Spruce FINELINE SWP/2 NS (non-structural) L3, 19 - 42 mm

- 2. Batch number: 7-8digit code on the longitudinal edges of the panel or pallet label (packaging)
 - e.g. 41 E 155 5 (codes for production plant, year and date of production, inspector)
- 3. Intended use of the construction product as intended by the manufacturer:
 - **SWP/2 NS L3:** 3 layer solid wood panel as non-structural component for interior or exterior protected use in dry and humid conditions, acc. to EN 13353
- 4. Name and address of the manufacturer: TILLY Holzindustrie GesmbH; A-9330 Althofen, Krappfelder Straße 27; office.platten@tilly.at; www.tilly.at
- 5. Authorized representative: not applicable
- 6. System of assessment and verification of constancy of performance of the construction product: 4
- 7. Name and contact of the notified body for a harmonized construction product: not applicable
- 8. European Technical Assessment (ETA): not applicable
- 9. Declared performance

	Significant characteristi	С			Performance		harm.			
	SWP/2 NS L3 FINELINE19-42 mm	Standard thickness*)	19		26	42	technical specification			
1	Panding strangth (nanal shear)	f _{m,0}			NPD					
1	Bending strength (panel shear)	f _{m,90}			NPD					
_	Ponding strongth	f _v	SWP/2							
2	Bonding strength	Iv	0,8 ≤							
3	Internal bond			NPD						
4	Durability (moisture expansion)			NPD						
5	Durability (moisture resistance)			SWP/2; 0,8 ≤ fv ≤ 1,2 N/mm						
6	Release of formaldehyde	Class		E1						
		Class	Minimum Thickness		2015					
	Reaction to fire		12 mm	V1 :						
7		D-s2, d0	15 mm With air gap behind wood panel				4+/			
			18 mm		n air gap behind wo	500				
		D-s2, d2	12 mm		n air gap closed or c Iter than 22 mm be		986:2			
8	Water vapour permeability μ (humid/dry)	μ[1]	74/203	3	71/201	71/201	EN 13986:2004+A1:2015			
9	Airborne sound insulation R	R [dB]	27,1		28,6	31,4				
10	Sound absorption of	α [1]		0,1	(250-500 Hz)					
10	Sound absorption α	α [1]		0,3	(1000-2000 Hz)					
11	Thermal conductivity λ	λ [W/mK]			0,13					
12	Biological Durability		_							
13	Content of pentachlorophenol	PCP [< 5 ppm]			
*)	Intermediate thicknesses possible in th	ne nominal thick	ness range.	perfor	mances can be line	ar interpolated				

*) Intermediate thicknesses possible in the nominal thickness range, performances can be linear interpolated NPD...no property determined

10. Signed for and on behalf of the manufacturer:

Althofen, 04.06.2021

Mag. Mario Wagner
Director
TILLY Holzindustrie GesmbH

TILLY HOLZANDUSTRIE

GESELLSCHAFT M.B.H.

A-9330 ALTHOPEN, KRAPPFELDERSTR. 27

+43(0) 4262 / 2143 FAX /+43(0) 4262 / 4144



Declaration of Performance

according to Annex III of Regulation (EU) No. 305/2011

Document-No:

DoP05a

DoPenTILLY2021G

Wood (AHZ) as non-structural component for interior use in dry conditions, SWP/1 NS L3, softwood 13 – 50 mm

3layer solid wood panel softwood formaldehyde-free bonded & Spruce Old

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1. Unique identification code of the product type:

3layer solid wood panels softwood SWP/1 NS (non-structural) L3, 13 - 50 mm, formaldehyde-free bonded and Spruce Old Wood Spruce (AHZ)

- 2. Batch number: 7-8digit code on the longitudinal edges of the panel or pallet label (packaging);
 - e.g. 41 E 155 5 (codes for production plant, year and date of production, inspector)
- 3. Intended use of the construction product as intended by the manufacturer:

SWP/1 NS L3: 3 layer solid wood panel as non-structural component for interior use in dry conditions, acc. to EN 13353

- 4. Name and address of the manufacturer: TILLY Holzindustrie GesmbH; A-9330 Althofen, Krappfelder Straße 27; office.platten@tilly.at; www.tilly.at
- 5. Authorized representative: not applicable
- 6. System of assessment and verification of constancy of performance of the construction product: 4
- 7. Name and contact of the notified body for a harmonized construction product: not applicable
- 8. European Technical Assessment (ETA): not applicable
- 9. Declared performance:

	Significant characteristic			Perfor	mance		harm.				
	WP/1 NS L3 13-50 mm, glued free f formaldehyde, old wood Spruce	Nominal thickness range mm*)	13 - 20	> 20 - 30	> 30 - 42	> 42 - 50	technical specification				
1	Bending strength (panel shear)	f _{m,0}		N	PD						
	Bending strength (panel shear)	f _{m,90}		N	PD						
2 Bonding strength f _v			SWP/1 a	cc. to EN 13354	4:2011 (pretre	atment 1)					
	Bonding strength	TV	0,8 ≤ 1	$fv \le 1,2 \text{ N/mm}^2$	wood failure (wood	≥20%)					
3	Internal bond			NPD							
4	Durability (moisture expansion)			N	PD						
5	Durability (moisture resistance)			SWP/1; 0,8 ≤ f	v ≤ 1,2 N/mm²	2					
6	Release of formaldehyde	Class		E	1		115				
		Class	Minimum Thickness	Enduse condition							
			12 mm	. 4+/							
7	Reaction to fire	D-s2, d0	15 mm	With air gap b	EN 13986:2004+A1:2015						
			18 mm	With air gap b	36:2						
		D-s2, d2	12 mm	12 mm With air gap closed or open and no greater than 22 mm behind wood panel							
8	Water vapour permeability μ	μ[1]	SPRUCE 6	7/193	DOUGLAS FI	R 71/201	_ B				
L	(Species: humid/dry)	μ[τ]	PINE 7	5/205	LARCH	78/208					
9	Airborne sound insulation R	R [dB]	24,2	26,9	29,1	31,0					
10	Sound absorption α	α[1]		0,1 (250-500 Hz)]				
10		α[1]		0,3 (1000-2000 Hz)						
11	Thormal conductivity)) [\//m/]	SPRUCE C),12	DOUGLAS FI	R 0,13]				
11	Thermal conductivity λ	λ [W/mK]	PINE C),14	LARCH	0,15					
12	Biological Durability										
13	Content of pentachlorophenol	PCP		< 5	ppm						
*\	والمراب والمانو والمواجع والمراب والمراب والمراب والمرابع				I I' I'	ka aa a la ka al					

*) Intermediate thicknesses possible in the nominal thickness range, performances can be linear interpolated NPD...no property determined

10. Signed for and on behalf of the manufacturer:

Althofen, 04.06.2021

Mag. Mario Wagner
Director
TILLY Holzindustrie GesmbH

THLY HOLZINDUSTRIE

GESELLSCHAFTM.B.H.

A. 9330 ALTHOPEN, KRAPPFELDERSTR. 27

+43(0)4262 / 2143 FAX / +43(0) 4262 / 4144



Declaration of Performance

according to Annex III of Regulation (EU) No. 305/2011

Document-No: **DoP06b**

of Regulation (EU) No. 305/2011 DOPU65

DoPenTILLY2021G

5layer solid wood panel softwood

as non-structural component for interior or exterior protected use in dry and humid conditions; **SWP/2 NS L5, softwood 23 – 50 mm**

Version **G** Page 10/11

1. Unique identification code of the product type:

5layer solid wood panels softwood SWP/2 NS (non-structural) L5, 23 - 50 mm

- 2. Batch number: 7-8digit code on the longitudinal edges of the panel or pallet label (packaging) e.g. 41 E 155 5 (codes for production plant, year and date of production, inspector)
- 3. Intended use of the construction product as intended by the manufacturer:

SWP/2 NS L5: Slayer solid wood panel as non-structural component for interior or exterior protected use in dry and humid conditions, acc. to EN 13353

- 4. Name and address of the manufacturer: TILLY Holzindustrie GesmbH; A-9330 Althofen, Krappfelder Straße 27; office.platten@tilly.at; www.tilly.at
- 5. Authorized representative: not applicable
- 6. System of assessment and verification of constancy of performance of the construction product: 4
- 7. Name and contact of the notified body for a harmonized construction product: not applicable
- 8. European Technical Assessment (ETA): not applicable
- 9. Declared performance:

	Significant characteristi	Performance									harm.		
	SWP/2 NS L5 softwood 23-50 mm	Standard- thickness *)	23	25	27	29	32	35	42	45	48	50	technical specification
1	Bending strength (panel shear)	f _{m,0}						PD					
2	Bonding strength	f _{m,90}	S	NPD SWP/2 acc. to EN 13354:2011 (pretreatment 2) $0.8 \le \text{fv} \le 1.2 \text{ N/mm}^2 \text{ (wood failure } \ge 20\%\text{)}$								-	
3	Internal bond			NPD									
4	Durability (moisture expansion)						N	PD					
5	Durability (moisture resistance)				SW	/P/2; (0,8 ≤ 1	fv ≤ 1,	2 N/n	nm²			15
6	Release of formaldehyde	Class					Е	1					
		Class	Minin Thick	-			End	d use	condit	tion			EN 13986:2004+A1:2015
			12 mm Without air gap behind wood panel								. +4		
7	Reaction to fire	D-s2, d0	15 m	15 mm With air gap behind wood panel								500	
			18 m	ım	With air gap behind wooden material								36:2
		D-s2, d2	12 m	12 mm With air gap closed or open and no greater than 22 mm behind wood panel								1398	
8	Water vapour permeability μ (humid/dry)	μ[1]	67/193									ER	
9	Airborne sound insulation R	R [dB]	27,4	27,4 27,9 28,3 28,7 29,3 29,8 30,8 31,2 31,6 31,8									
10	Sound absorption α	α [1]	0,1 (250-500 Hz) 0,3 (1000-2000 Hz)										
11	Thermal conductivity λ	λ [W/mK]	+	0,3 (1000-2000 Hz) 0,12									+
12	,	/ [vv/111K]						class 2)				-
_	Content of pentachlorophenol	PCP						ppm	-				-
*1	Intermediate thicknesses possible in the		knoss	rango	norf	ormar		· · · · · ·	linga	r intor	nolati	~d	

*) Intermediate thicknesses possible in the nominal thickness range, performances can be linear interpolated NPD...no property determined

10. Signed for and on behalf of the manufacturer:

Althofen, 04.06.2021

Mag. Mario Wagner
Director
TILLY Holzindustrie GesmbH

TILLY HOLDINGUSTRIE

GESELLSCHAFLM.B.H.

A.9330 ALTHOPEN, KRAPPFELDERSTR. 27

+43(0)4262 / 2143 FAX +43(0) 4262 / 4144



Declaration of Performance

according to Annex III of Regulation (EU) No. 305/2011

Document-No: DoP07b DoPenTILLY2021G

Single layer solid wood panel softwood as non-structural component for interior or exterior protected use in dry and humid conditions; SWP/2 N L1 NC, softwood 12 – 52 mm

Version G

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Unique identification code of the product type:

Single layer solid wood panels softwood SWP/2 NS (non-structural) L1 NC, 12 - 52 mm

- 2. Batch number: 7-8digit code on the longitudinal edges of the panel or pallet label (packaging) e.g. 51 E 155 5 (codes for production plant, year and date of production, inspector)
- 3. Intended use of the construction product as intended by the manufacturer:

SWP/2 NS L1 NC: single layer solid wood panel as non-structural component for interior or exterior protected use in dry and humid conditions, acc. to EN 13353

- 4. Name and address of the manufacturer: TILLY Holzindustrie GesmbH; A-9330 Althofen, Krappfelder Straße 27; office.platten@tilly.at; www.tilly.at
- 5. Authorized representative: not applicable
- 6. System of assessment and verification of constancy of performance of the construction product: 4
- 7. Name and contact of the notified body for a harmonized construction product: not applicable
- 8. European Technical Assessment (ETA): not applicable
- 9. Declared performance

	Significant characteristic				F	Perfor	manc	е			harm.		
	SWP/2 NS L1 NC Standard thickness*)		14	18	21	24	27	32	42	52	technical specification		
1	Danding strangth (nanal shear)	f _{m,0}]									
1	Bending strength (panel shear)	f _{m,90}				NF	PD						
2	Bonding strength	f _v	SW		c. to EN 2,5 N/m					1)			
3	Internal bond				, ,	NF			,		1		
4	Durability (moisture expansion)			NPD									
5	Durability (moisture resistance)			SWP/2; f _v ≥2,5 N/mm²									
6	Release of formaldehyde	Class		E1									
		Class ''''				Minimum Thickness End use condition							
			12 mm Without air gap behind wood panel								A1:		
7	Reaction to fire	D-s2, d0	15 mm		√ith air	+ +							
			18 mm		Vith air	200							
		D-s2, d2	12 mm		Vith air nan 22 i					reater	:986:		
8	Water vapour permeability μ (Species: humid/dry)	μ[1]	SPRUCE	67/19	93	PINE	75/205	5 L	ARCH 78	8/208	EN 13986:2004+A1:2015		
9	Airborne sound insulation R	R [dB]	24,6	26,1	26,9	27,7	28,3	29,3	30,8	30,8			
10	Sound absorption α	α [1]		0,1 (250-500 Hz)									
10		α[1]		0,3 (1000-2000 Hz)									
11	Thermal conductivity $\boldsymbol{\lambda}$	λ [W/mK]	SPRUCE	SPRUCE 0,12 PINE 0,14 LARCH 0,15									
12	Biological Durability												
13	Content of pentachlorophenol	PCP		< 5 ppm									
*)	Intermediate thicknesses possible in the	nominal thicl	kness rai	nge, pe	erforma	ances ca	an be li	near in	terpola	ted			

NPD...no property determined

10. Signed for and on behalf of the manufacturer:

Althofen, 04.06.2021

Mag. Mario Wagner Director TILLY Holzindustrie GesmbH A-9330 ALTHOPEN, KRAPPFELDERSTR. 27 +43(0)4262 / 2143 FAX /+43(0) 4262 / 4144

Document: DoPenTILLY2021G