



# 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**



**NATURHOLZPLATTEN**

**MANUFACTURER:**

**TILLY Holzindustrie GesmbH**

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**Version: H**

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Valid starting from production code J 091

	<b>Declarations of Performance</b>	Document-No: <b>DoPen</b> DoPenTILLY2026H	
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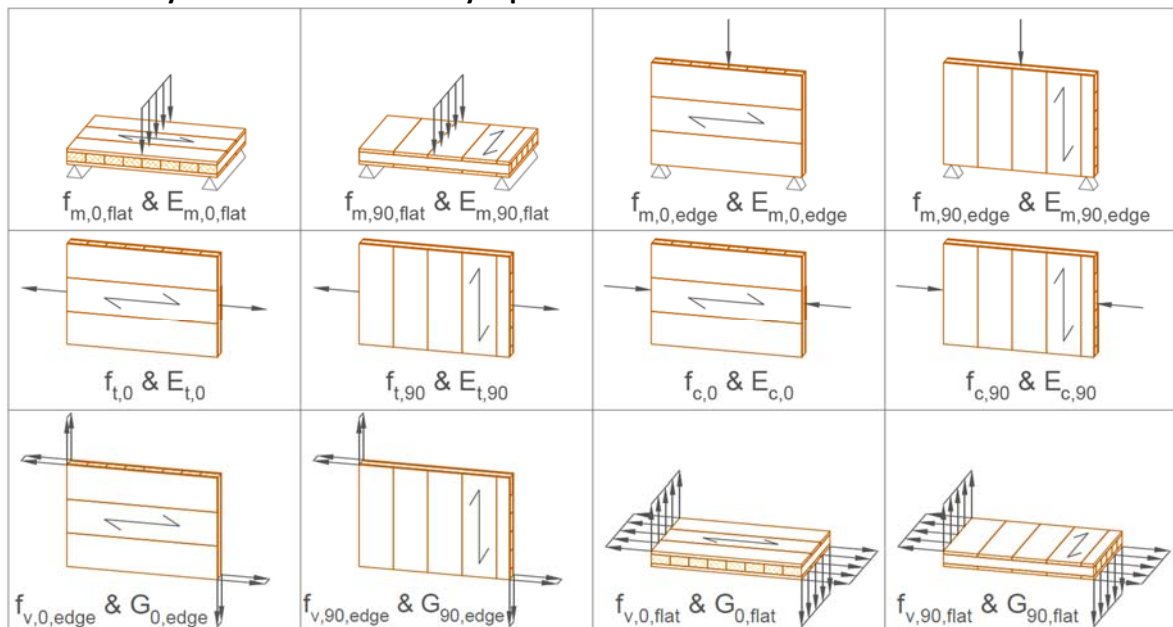
DocNo.	Product description	Nominal thickness (range) [mm]	Technical class	Intended Use	Page
<b>DoP01b</b>	<b>3layer solid wood panel softwood</b> Spruce, Antique Spruce; Pine, Larch, Douglas Fir, <b>structural</b>	17 - 60	SWP/2 S L3	structural dry and humid conditions	<b>3</b>
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<b>DoP02b</b>	<b>3layer solid wood panel softwood</b> Spruce, Old Wood Spruce, Fir, Swiss Stone Pine <b>non-structural</b>	13 - 26	SWP/2 NS L3	non – structural dry and humid conditions	<b>7</b>
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<b>DoP07b</b>	<b>Single layer solid wood panel</b> <b>Softwood</b> <b>non-structural</b>	14 - 52	SWP/2 NS L1 NC	non – structural dry and humid conditions	<b>11</b>

Older versions of the declarations of performance can be requested at [office.platten@tilly.at](mailto:office.platten@tilly.at)

**REACH: We confirm that, in accordance with the EU Taxonomy and Regulation (EU) No. 1907/2006 (REACH), the product demonstrably contains NO chemicals that are hazardous to health and the environment, such as:**

- Substances listed in the current ECHA Candidate List, with more than 0.1% by weight.
- Other carcinogenic, mutagenic, or reprotoxic substances (CMR) of categories 1A or 1B not listed in the ECHA Candidate List, with more than 0.1% by weight.
- Biocidal products added during manufacturing or raw materials treated with biocidal products (treated product as defined in the Biocidal Products Regulation (EU) No. 528/2012).

**Load directions and symbols for structural 3layer panels:**





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**Declaration of Performance**

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

Document-No:

**DoP01b**

DoPenTILLY2026H

**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**

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- 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**
- Batch number: 7-8digit code on the longitudinal edges of the panel or pallet label (packaging)  
**e.g. 42 J 091 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**
- Name and address of the manufacturer: **TILLY Holzindustrie GesmbH;**  
A-9330 Althofen, Krappfelder Straße 27; [office.platten@tilly.at](mailto:office.platten@tilly.at); [www.tilly.at](http://www.tilly.at)
- Authorized representative: not applicable
- System of assessment and verification of constancy of performance of the construction product: **2+**
- Name and contact of the notified body for a harmonized construction product:  
**Entwicklungs- und Prüflabor Holztechnologie GmbH D-01217 Dresden, [www.eph-dresden.de](http://www.eph-dresden.de) (NB ID 0766)**  
performed initial type testing in accordance with system 2+ acc. to EN 13986:2004+A12015, performs the continuous surveillance, assessment and approval of the factory production control and issued the following certificates of the factory production control:  
**Certificates 0766-CPR-714-02 (dry conditions) and 0766-CPR-715-02 (humid conditions and exterior protected)**
- European Technical Assessment (ETA): not applicable
- Declared performance:

Significant Characteristics			Performance								harm. technical Specification:	
<b>SWP/2 S L3 softwood 17-60 mm</b>		Nominal thickness range mm *)	<b>17-20</b>		<b>&gt;20 - 30</b>		<b>&gt;30 - 60</b>					
<b>1+</b>	Bending strength		See point 13, Strength and stiffness for structural use								EN 13986:2004+A1:2015	
<b>2</b>	Bending stiffness		SWP/2 acc. to EN 13354:2008 (pretreatment 2)									
<b>3</b>	Bonding strength		0,8 ≤ f <sub>v</sub> ≤ 1,2 N/mm <sup>2</sup> (wood failure ≥20%)									
<b>4</b>	Internal bond		NPD									
<b>5</b>	Durability (moisture expansion)		NPD									
<b>6</b>	Durability (moisture resistance)		SWP/2; 0,8 ≤ f <sub>v</sub> ≤ 1,2 N/mm <sup>2</sup>									
<b>7</b>	Release of formaldehyde	Class	E1 (E05); ≤ 0,062 mg/m <sup>3</sup> bzw. ≤ 0,05 ppm									
<b>8</b>	Reaction to fire	Class reaction to fire	Minimum Thickness	End use condition								
		D-s2, d0	12 mm	Without air gap behind wood panel								
			15 mm	With air gap behind wood panel								
			18 mm	With air gap behind wooden material								
D-s2, d2	12 mm	With air gap closed or open and no greater than 22 mm behind wood panel										
<b>9</b>	Water vapour permeability μ (species: humid/dry)	μ [1]	Spruce: 67/193				Pine: 75/205					
			Larch: 78/208				Douglas Fir: 71/201					
<b>10</b>	Airborne sound insulation R	<b>R [dB]</b>	<b>mm</b>	<b>17</b>	<b>19</b>	<b>22</b>	<b>26</b>	<b>27</b>	<b>32</b>	<b>42</b>	<b>50</b>	<b>60</b>
		Spruce		25,7	26,4	27,2	28,1	28,3	29,3	30,8	31,8	32,9
		Pine		26,6	27,2	28,1	29,0	29,2	30,2	31,7	32,7	33,7
		Larch		26,9	27,5	28,4	29,3	29,5	30,5	32,0	33,0	34,0
		Douglas Fir		26,2	26,8	27,6	28,6	28,8	29,8	31,3	32,3	33,3
		Swiss Stone Pine		26,1	26,7	27,5	28,5	28,7	29,7	31,2	32,2	33,2
<b>11</b>	Sound absorption α	α [1]	0,1 (250-500 Hz)									
			0,3 (1000-2000 Hz)									
<b>12</b>	Thermal conductivity λ	λ [W/mK]	Spruce: 0,12			Pine: 0,14			Larch: 0,15			
			Douglas Fir: 0,13			Swiss Stone Pine 0,13						



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**Declaration of Performance**

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

Document-No:

**DoP01b**

DoPenTILLY2026H

**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**

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Significant Characteristics		Performance			harm. technical Specification
Characteristic Density $\rho_k$ (Mean density $\rho_{mean} = \rho_k \times 1,1$ )	$\rho_k$ [kg/m <sup>3</sup> ]	Spruce: 427 Pine: 500	Larch: 527 Douglas Fir: 464		
<b>Strength and stiffness for structural use</b>	Nominal thickness range [mm]	<b>17-20</b>	<b>&gt;20 - 30</b>	<b>&gt;30 - 60</b>	
<b>Strength [N/mm<sup>2</sup>]</b>					
Panel bending out of plane	$f_{m,0, flat}$	30	27	20	
	$f_{m,90, flat}$	5	5	10	
Planar bending in plane	$f_{m, 0, edge}$	25	18	12	
	$f_{m, 90 edge}$	12	12	12	
Tension in plane	$f_{t,0}$	12	9	6	
	$f_{t,90}$	3	3	3	
Compression in plane	$f_{c,0}$	18	16	10	
	$f_{c,90}$	12	10	10	
Panel shear out of plane	$f_{v,0, edge}$	4	4	2,5	
	$f_{v,90, edge}$	4	4	2,5	
13 Planar shear in plane	$f_{v, 0, flat}$	1,0			
	$f_{v, 90, flat}$	1,0			
<b>Mean stiffness [N/mm<sup>2</sup>]</b>					
Panel bending out of plane	$E_{m, 0, flat}$	10.000	10.000	8.000	
	$E_{m, 90, flat}$	650	800	1.500	
Planar bending in plane	$E_{m, 0, edge}$	6.000	5.000	4.000	
	$E_{m,90, edge}$	4.000	4.000	4.000	
Tension in plane	$E_{t,0}$	6.000	5.000	4.000	
	$E_{t,90}$	4.000	4.000	4.000	
Compression in plane	$E_{c,0}$	6.000	3.500	2.500	
	$E_{c,90}$	4.000	2.500	2.500	
Panel shear out of plane	$G_{0, edge}$	450			
	$G_{90, edge}$	450			
Planar shear in plane	$G_{0, flat}$	50			
	$G_{90, flat}$	50			
*) All stiffnesses (MOE) are stated as mean, reduce the mean values by a factor of 0.85 to get the characteristic values: $E_k(5\%) = E_{mean} \times 0.85$					
14 Mechanical durability $k_{mod}$ (modification coefficient)	$k_{mod}$ [1]	permanent impact	0,6		
		long impact	0,7		
		medium impact	0,8		
		short 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 class 2			
16 Content of pentachlorophenol	PCP	< 5 ppm			
17 Wall panel capacity	$F_{Rd,max}$ [N]	NPD			
18 Embedment strength	$f_h$ [N/mm <sup>2</sup> ]	NPD; characteristic density $\rho_k=427$ kg/m <sup>3</sup>			

EN 13986:2004+A1:2015

10. Signed for and on behalf of the manufacturer:

Althofen, 01.04.2026

Mag. Mario Wagner  
Director  
TILLY Holzindustrie GesmbH

  
**TILLY HOLZINDUSTRIE**  
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### Declaration of Performance

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

Document-No:

**DoP01c**

DoPenTILLY2026H

**3layer solid wood panel softwood**  
as structural component for exterior use in wet conditions  
**SWP/3 S L3, softwood 17 – 60 mm**

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- Unique identification code of the product type:  
**3layer solid wood panels softwood SWP/3 S (structural) L3, 17-60 mm**  
**Species: Spruce, Pine, Larch, Douglas Fir**
- Batch number: 7-8digit code on the longitudinal edges of the panel or pallet label (packaging)  
**e.g. 42 J 091 5** (codes for production plant, year and date of production, inspector)
- Intended use of the construction product as intended by the manufacturer:  
**SWP/3 S L3: 3layer solid wood panel as structural component for exterior use in wet conditions**, acc. to EN 13353
- Name and address of the manufacturer: **TILLY Holzindustrie GesmbH;**  
A-9330 Althofen, Krappfelder Straße 27; [office.platten@tilly.at](mailto:office.platten@tilly.at); [www.tilly.at](http://www.tilly.at)
- Authorized representative: not applicable
- System of assessment and verification of constancy of performance of the construction product: **2+**
- Name and contact of the notified body for a harmonized construction product:  
**Entwicklungs- und Prüflabor Holztechnologie GmbH D-01217 Dresden**, [www.eph-dresden.de](http://www.eph-dresden.de) (**NB ID 0766**)  
performed initial type testing in accordance with system 2+ acc. to EN 13986:2004+A12015, performs the continuous surveillance, assessment and approval of the factory production control and issued the following certificates of the factory production control:  
**Certificate 0766-CPR-716-02 (wet conditions)**
- European Technical Assessment (ETA): not applicable
- Declared performance:

Significant Characteristics			Performance								harm. technical Specification:	
<b>SWP/3 S L3 softwood 17-60 mm</b>		Nominal thickness range mm *)	<b>17-20</b>		<b>&gt;20 - 30</b>		<b>&gt;30 - 60</b>					
<b>1+</b>	Bending strength		See point 13, Strength and stiffness for structural use								EN 13986:2004+A1:2015	
<b>2</b>	Bending stiffness		SWP/3 acc. to EN 13354:2008 (pretreatment 2)									
<b>3</b>	Bonding strength		0,8 ≤ f <sub>v</sub> ≤ 1,2 N/mm <sup>2</sup> (wood failure ≥20%)									
<b>4</b>	Internal bond		NPD									
<b>5</b>	Durability (moisture expansion)		NPD									
<b>6</b>	Durability (moisture resistance)		SWP/3; 0,8 ≤ f <sub>v</sub> ≤ 1,2 N/mm <sup>2</sup>									
<b>7</b>	Release of formaldehyde	Class	E1 (E05); ≤ 0,062 mg/m <sup>3</sup> bzw. ≤ 0,05 ppm									
<b>8</b>	Reaction to fire	Class reaction to fire	Minimum Thickness	End use condition								
		D-s2, d0	12 mm	Without air gap behind wood panel								
			15 mm	With air gap behind wood panel								
			18 mm	With air gap behind wooden material								
D-s2, d2	12 mm	With air gap closed or open and no greater than 22 mm behind wood panel										
<b>9</b>	Water vapour permeability μ (species: humid/dry)	μ [1]	Spruce: 67/193 Larch: 78/208				Pine: 75/205 Douglas Fir: 71/201					
<b>10</b>	Airborne sound insulation R	R [dB]	mm	<b>17</b>	<b>19</b>	<b>22</b>	<b>26</b>	<b>27</b>	<b>32</b>	<b>42</b>	<b>50</b>	<b>60</b>
		Spruce		25,7	26,4	27,2	28,1	28,3	29,3	30,8	31,8	32,9
		Pine		26,6	27,2	28,1	29,0	29,2	30,2	31,7	32,7	33,7
		Larch		26,9	27,5	28,4	29,3	29,5	30,5	32,0	33,0	34,0
		Douglas Fir		26,2	26,8	27,6	28,6	28,8	29,8	31,3	32,3	33,3
Swiss Stone Pine		26,1	26,7	27,5	28,5	28,7	29,7	31,2	32,2	33,2		
<b>11</b>	Sound absorption α	α [1]	0,1 (250-500 Hz)									
			0,3 (1000-2000 Hz)									
<b>12</b>	Thermal conductivity λ	λ [W/mK]	Spruce: 0,12				Pine: 0,14		Larch: 0,15			
			Douglas Fir: 0,13				Swiss Stone Pine 0,13					



NATURHOLZPLATTEN



### Declaration of Performance

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

Document-No:

**DoP01c**

DoPenTILLY2026H



**3layer solid wood panel softwood**  
as structural component for exterior use in wet conditions  
**SWP/3 S L3, softwood 17 – 60 mm**

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Significant Characteristics		Performance			harm. technical Specification	
13	Characteristic Density $\rho_k$ (Mean density $\rho_{mean} = \rho_k \times 1,1$ )	$\rho_k$ [kg/m <sup>3</sup> ]	Spruce: 427 Pine: 500	Larch: 527 Douglas Fir: 464	EN 13986:2004+A1:2015	
	<b>Strength and stiffness for structural use</b>	Nominal thickness range [mm]	<b>17-20</b>	<b>&gt;20 - 30</b>		<b>&gt;30 - 60</b>
	<b>Strength [N/mm<sup>2</sup>]</b>					
	Panel bending out of plane	$f_{m,0, flat}$	30	27		20
		$f_{m,90, flat}$	5	5		10
	Planar bending in plane	$f_{m,0, edge}$	25	18		12
		$f_{m,90, edge}$	12	12		12
	Tension in plane	$f_{t,0}$	12	9		6
		$f_{t,90}$	3	3		3
	Compression in plane	$f_{c,0}$	18	16		10
		$f_{c,90}$	12	10		10
	Panel shear out of plane	$f_{v,0, edge}$	4	4		2,5
		$f_{v,90, edge}$	4	4		2,5
Planar shear in plane	$f_{v,0, flat}$	1,0				
	$f_{v,90, flat}$	1,0				
<b>Mean stiffness [N/mm<sup>2</sup>]</b>						
Panel bending out of plane	$E_{m,0, flat}$	10.000	10.000	8.000		
	$E_{m,90, flat}$	650	800	1.500		
Planar bending in plane	$E_{m,0, edge}$	6.000	5.000	4.000		
	$E_{m,90, edge}$	4.000	4.000	4.000		
Tension in plane	$E_{t,0}$	6.000	5.000	4.000		
	$E_{t,90}$	4.000	4.000	4.000		
Compression in plane	$E_{c,0}$	6.000	3.500	2.500		
	$E_{c,90}$	4.000	2.500	2.500		
Panel shear out of plane	$G_{0, edge}$	450				
	$G_{90, edge}$	450				
Planar shear in plane	$G_{0, flat}$	50				
	$G_{90, flat}$	50				
*) All stiffnesses (MOE) are stated as mean, reduce the mean values by a factor of 0.85 to get the characteristic values: $E_k(5\%) = E_{mean} \times 0.85$						
14	Mechanical durability $k_{mod}$ (modification coefficient)	$k_{mod}$ [1]	permanent impact	0,6		
			long impact	0,7		
			medium impact	0,8		
			short impact	0,9		
			very short impact	1,1		
	$k_{def}$ (deformation coefficient)	$k_{def}$ [1]	Class of use 3:	NPD		
15	Biological Durability	Class	Use class 3.1 <sup>1</sup>			
16	Content of pentachlorophenol	PCP	< 5 ppm			
17	Wall panel capacity	$F_{Rd,max}$ , [N]	NPD			
18	Embedment strength	$f_h$ [N/mm <sup>2</sup> ]	NPD; characteristic density $\rho_k=427$ kg/m <sup>3</sup>			
NPD... no property determined						
10. Signed for and on behalf of the manufacturer:						
Althofen, 01.04.2026		Mag. Mario Wagner Director TILLY Holzindustrie GesmbH		 TILLY HOLZINDUSTRIE G. SELTSCHNIG M.B.H. A-9330 ALTHOFEN, KRAPPFELDERSTR. 27 +43(0)4262/2143 FAX +43(0)4262/4144		

<sup>1</sup> Acc. to EN 335, table 1; Chemical and structural wood protection is absolutely essential!

 <b>TILLY</b> NATURHOLZPLATTEN		<b>Declaration of Performance</b> according to Annex III of Regulation (EU) No. 305/2011		Document-No: <b>DoP02b</b> DoPenTILLY2026H	
		<b>3layer solid wood panel softwood</b> as non-structural component for interior or exterior protected use in dry and humid conditions <b>SWP/2 NS L3, softwood 13 – 16 mm</b>			

- Unique identification code of the product type:  
**3layer solid wood panels softwood SWP/2 NS (non-structural) L3, Spruce 13-19 mm (TLT<sup>2</sup> < 5,5 mm); Old Wood Spruce 19 mm; Fir 19 mm; Swiss Stone Pine 19 + 26 mm**
- Batch number: 7-8 digit code on the longitudinal edges of the panel or pallet label (packaging); e.g. **41 J 091 5** (codes for production plant, year and date of production, inspector)
- Intended use of the construction product as intended by the manufacturer:  
**SWP/2 NS L3: 3layer solid wood panel as non-structural component for interior or exterior protected use in dry and humid conditions**, acc. to EN 13353
- Name and address of the manufacturer: **TILLY Holzindustrie GesmbH**;  
 A-9330 Althofen, Krappfelder Straße 27; [office.platten@tilly.at](mailto:office.platten@tilly.at); [www.tilly.at](http://www.tilly.at)
- Authorized representative: not applicable
- System of assessment and verification of constancy of performance of the construction product: **4**
- Name and contact of the notified body for a harmonized construction product: not applicable
- European Technical Assessment (ETB): not applicable
- Declared performance:

Significant Characteristics			Performance						harm. technical specification:
<b>SWP/2 NS L3 softwood 13-26 mm</b>			Spruce 13	Spruce 15	Spruce 16	Spruce/Fir 19	Swiss Stone Pine 19	Swiss Stone Pine 25	
<b>1</b>	Bending strength (panel shear)	$f_{m,0, flat}$	NPD						EN 13986:2004+A1:2015
		$f_{m,90, flat}$	NPD						
<b>2</b>	Bonding strength	$f_v$	SWP/2 acc. to EN 13354:2008 (pretreatment 2) 0,8 ≤ $f_v$ ≤ 1,2 N/mm <sup>2</sup> (wood failure ≥20%)						
<b>3</b>	Internal bond		NPD						
<b>4</b>	Durability (moisture expansion)		NPD						
<b>5</b>	Durability (moisture resistance)		SWP/2; 0,8 ≤ $f_v$ ≤ 1,2 N/mm <sup>2</sup>						
<b>6</b>	Release of formaldehyde	Class	E1 (E05); ≤ 0,062 mg/m <sup>3</sup> bzw. ≤ 0,05 ppm						
<b>7</b>	Reaction to fire	Class	Minimum Thickness	End use condition					
		D-s2, d0	12 mm	Without air gap behind wood panel					
			15 mm	With air gap behind wood panel					
			18 mm	With air gap behind wooden material					
D-s2, d2	12 mm	With air gap closed or open and no greater than 22 mm behind wood panel							
<b>8 + 11</b>	Water vapour permeability $\mu$ (species: humid/dry)	$\mu$ [1]	Species	$\mu$ [1]	$\rho_{mean}$ [kg/m <sup>3</sup> ]	$\lambda$ [W/mK]			
	Mean density $\rho_{mean}$ [kg/m <sup>3</sup> ]	$\rho_{mean}$ [kg/m <sup>3</sup> ]	Spruce	67/193	470	0,12			
			Fir	67/193	470	0,12			
Thermal conductivity $\lambda$	$\lambda$ [W/mK]	Swiss Stone Pine	70/200	500	0,13				
<b>9</b>	Airborne sound insulation R	R [dB]	24,2	25,0	25,4	26,4	26,7	28,5	
<b>10</b>	Sound absorption $\alpha$	$\alpha$ [1]	0,1 (250-500 Hz)						
			0,3 (1000-2000 Hz)						
<b>12</b>	Biological Durability		Use class 2						
<b>13</b>	Content of pentachlorophenol	PCP	< 5 ppm						
NPD...no property determined									

10. Signed for and on behalf of the manufacturer:

Althofen, 01.04.2026

Mag. Mario Wagner  
 Director  
 TILLY Holzindustrie GesmbH

  
**TILLY HOLZINDUSTRIE**  
 GMBH  
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<sup>2</sup> Top layer thickness [mm]



NATURHOLZPLATTEN



**Declaration of Performance**

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

Document-No:

**DoP03b**

DoPenTILLY2026H

**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**

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- Unique identification code of the product type:  
**3layer solid wood panels hardwood SWP/2 NS (non-structural) L3, 20 + 26 mm**
- Batch number: 7-8digit code on the longitudinal edges of the panel or pallet label (packaging);  
**e.g. 41 J 091 5** (codes for production plant, year and date of production, inspector)
- Intended use of the construction product as intended by the manufacturer:  
**SWP/2 NS L3: 3layer solid wood panel as non-structural component for interior or exterior protected use in dry and humid conditions, acc. to EN 13353**
- Name and address of the manufacturer: **TILLY Holzindustrie GesmbH;**  
A-9330 Althofen, Krappfelder Straße 27; [office.platten@tilly.at](mailto:office.platten@tilly.at); [www.tilly.at](http://www.tilly.at)
- Authorized representative: not applicable
- System of assessment and verification of constancy of performance of the construction product: **4**
- Name and contact of the notified body for a harmonized construction product: not applicable
- European Technical Assessment (ETA): not applicable
- Declared performance:

Significant characteristic		Performance		harm. technical specification		
SWP/2 NS L3 hardwood 20 – 26 mm		20	26			
1	Bending strength (panel shear)	$f_{m,0, flat}$	NPD			
		$f_{m,90, flat}$	NPD			
2	Bonding strength	$f_v$	SWP/2 acc. to EN 13354:2008 (pretreatment 2) $0,8 \leq f_v \leq 1,2 \text{ N/mm}^2$ (wood failure $\geq 20\%$ )			
3	Internal bond		NPD			
4	Durability (moisture expansion)		NPD			
5	Durability (moisture resistance)		SWP/2; $0,8 \leq f_v \leq 1,2 \text{ N/mm}^2$			
6	Release of formaldehyde	Class	E1 (E05); $\leq 0,062 \text{ mg/m}^3$ bzw. $\leq 0,05 \text{ ppm}$			
7	Reaction to fire	Class	Minimum Thickness	End use condition		
		D-s2, d0	12 mm	Without air gap behind wood panel		
			15 mm	With air gap behind wood panel		
			18 mm	With air gap behind wooden material		
D-s2, d2	12 mm	With air gap closed or open and no greater than 22 mm behind wood panel				
8 + 11	Water vapour permeability $\mu$ (species: humid/dry)	$\mu$ [1]	Species	$\mu$ [1]	$\rho_{mean}$ [kg/m <sup>3</sup> ]	$\lambda$ [W/mK]
			Maple	83/213	630	0,16
	Mean density $\rho_{mean}$ [kg/m <sup>3</sup> ]	$\rho_{mean}$ [kg/m <sup>3</sup> ]	Birch	78/208	580	0,15
			Beech	86/216	660	0,16
	Thermal conductivity $\lambda$	$\lambda$ [W/mK]	Oak	85/215	650	0,16
			Alder	69/198	490	0,13
			Ash	83/213	630	0,16
Cherry	75/205	550	0,14			
9	Airborne sound insulation R	R [dB]	27,2	29,0		
10	Sound absorption $\alpha$	$\alpha$ [1]	0,1 (250-500 Hz)			
			0,3 (1000-2000 Hz)			
12	Biological Durability	[1]	Use class 2			
13	Content of pentachlorophenol	PCP	< 5 ppm			

EN 13986:2004+A1:2015

NPD...no property determined

10. Signed for and on behalf of the manufacturer:

Althofen, 01.04.2026

Mag. Mario Wagner  
Director  
TILLY Holzindustrie GesmbH

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NATURHOLZPLATTEN



**Declaration of Performance**

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

Document-No:

**DoP05a**

DoPenTILLY2026H

**3layer solid wood panel softwood formaldehyde-free bonded**  
as non-structural component for interior use in dry conditions,  
**SWP/1 NS L3, softwood 13 – 60 mm**

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- Unique identification code of the product type:  
**3layer solid wood panels softwood SWP/1 NS (non-structural) L3, 13 - 60 mm, formaldehyde-free bonded**
- Batch number: 7-8digit code on the longitudinal edges of the panel or pallet label (packaging);  
**e.g. 41 J 091 5** (codes for production plant, year and date of production, inspector)
- Intended use of the construction product as intended by the manufacturer:  
**SWP/1 NS L3: 3layer solid wood panel as non-structural component for interior use in dry conditions, acc. to EN 13353**
- Name and address of the manufacturer: **TILLY Holzindustrie GesmbH;**  
A-9330 Althofen, Krappfelder Straße 27; [office.platten@tilly.at](mailto:office.platten@tilly.at); [www.tilly.at](http://www.tilly.at)
- Authorized representative: not applicable
- System of assessment and verification of constancy of performance of the construction product: **4**
- Name and contact of the notified body for a harmonized construction product: not applicable
- European Technical Assessment (ETA): not applicable
- Declared performance:

Significant characteristic		Performance				harm. technical specification
SWP/1 NS L3 13-50 mm, glued free of formaldehyde		Nominal thickness range mm*)	13 - 20	> 20 - 30	> 30 - 60	
1	Bending strength (panel shear)	$f_{m,0, flat}$	NPD			EN 13986:2004+A1:2015
		$f_{m,90, flat}$	NPD			
2	Bonding strength	$f_v$	SWP/1 acc. to EN 13354:2011 (pretreatment 1)			
			0,8 ≤ $f_v$ ≤ 1,2 N/mm <sup>2</sup> (wood failure ≥20%)			
3	Internal bond		NPD			
4	Durability (moisture expansion)		NPD			
5	Durability (moisture resistance)		SWP/1; 0,8 ≤ $f_v$ ≤ 1,2 N/mm <sup>2</sup>			
6	Release of formaldehyde	Class	E1 (E0); ≤ 0,062 mg/m <sup>3</sup> bzw. ≤ 0,05 ppm			
7	Reaction to fire	Class	Minimum Thickness	End use condition		
		D-s2, d0	12 mm	Without air gap behind wood panel		
			15 mm	With air gap behind wood panel		
			18 mm	With air gap behind wooden material		
D-s2, d2	12 mm	With air gap closed or open and no greater than 22 mm behind wood panel				
8 + 11	Water vapour permeability $\mu$ (species: humid/dry)	$\mu$ [1]	Species	$\mu$ [1]	$\rho_{mean}$ [kg/m <sup>3</sup> ]	$\lambda$ [W/mK]
			Spruce	67/193	470	0,12
11	Mean density $\rho_{mean}$ [kg/m <sup>3</sup> ]	$\rho_{mean}$ [kg/m <sup>3</sup> ]	Pine	75/205	550	0,14
			Larch	78/208	580	0,15
			Douglas Fir	71/201	510	0,13
			Swiss Stone Pine	70/200	500	0,13
9	Airborne sound insulation R	R [dB]	24,2	26,9	29,1	31,0
10	Sound absorption $\alpha$	$\alpha$ [1]	0,1 (250-500 Hz)			
			0,3 (1000-2000 Hz)			
12	Biological Durability		Use class 2			
13	Content of pentachlorophenol	PCP	< 5 ppm			

\*) 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, 01.04.2026

Mag. Mario Wagner  
Director  
TILLY Holzindustrie GesmbH

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NATURHOLZPLATTEN



**Declaration of Performance**

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

Document-No:

**DoP06b**

DoPenTILLY2026H

**Slayer 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**

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- Unique identification code of the product type:  
**Slayer solid wood panels softwood SWP/2 NS (non-structural) L5, 23 - 50 mm**
- Batch number: 7-8digit code on the longitudinal edges of the panel or pallet label (packaging)  
**e.g. 41 J 091 5** (codes for production plant, year and date of production, inspector)
- 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**
- Name and address of the manufacturer: **TILLY Holzindustrie GesmbH;**  
A-9330 Althofen, Krappfelder Straße 27; [office.platten@tilly.at](mailto:office.platten@tilly.at); [www.tilly.at](http://www.tilly.at)
- Authorized representative: not applicable
- System of assessment and verification of constancy of performance of the construction product: **4**
- Name and contact of the notified body for a harmonized construction product: not applicable
- European Technical Assessment (ETA): not applicable
- Declared performance:

Significant characteristic		Performance										harm. technical specification	
SWP/2 NS L5 softwood 23-50 mm		Standard-thickness *)	23	25	27	29	32	35	42	45	48		50
1	Bending strength (panel shear)	$f_{m,0, flat}$	NPD										EN 13986:2004+A1:2015
		$f_{m,90, flat}$	NPD										
2	Bonding strength	$f_v$	SWP/2 acc. to EN 13354:2011 (pretreatment 2)										
			$0,8 \leq f_v \leq 1,2 \text{ N/mm}^2$ (wood failure $\geq 20\%$ )										
3	Internal bond		NPD										
4	Durability (moisture expansion)		NPD										
5	Durability (moisture resistance)		SWP/2; $0,8 \leq f_v \leq 1,2 \text{ N/mm}^2$										
6	Release of formaldehyde	Class	E1 (E05); $\leq 0,062 \text{ mg/m}^3$ bzw. $\leq 0,05 \text{ ppm}$										
7	Reaction to fire	Class	Minimum Thickness	End use condition									
		D-s2, d0	12 mm	Without air gap behind wood panel									
			15 mm	With air gap behind wood panel									
			18 mm	With air gap behind wooden material									
D-s2, d2	12 mm	With air gap closed or open and no greater than 22 mm behind wood panel											
8	Water vapour permeability $\mu$ (humid/dry)	$\mu$ [1]	67/193										
	Mean density $\rho_{mean}$ [kg/m <sup>3</sup> ]	$\rho_{mean}$ [kg/m <sup>3</sup> ]	Spruce: 470										
9	Airborne sound insulation R	R [dB]	27,4	27,9	28,3	28,7	29,3	29,8	30,8	31,2	31,6	31,8	
10	Sound absorption $\alpha$	$\alpha$ [1]	0,1 (250-500 Hz)										
			0,3 (1000-2000 Hz)										
11	Thermal conductivity $\lambda$	$\lambda$ [W/mK]	Spruce: 0,12										
12	Biological Durability		Use class 2										
13	Content of pentachlorophenol	PCP	< 5 ppm										

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

- Signed for and on behalf of the manufacturer:

Althofen, 01.04.2026

Mag. Mario Wagner  
Director  
TILLY Holzindustrie GesmbH

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

Document-No:

**DoP07b**  
DoPenTILLY2026H

**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**

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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**
- Batch number: 7-8digit code on the longitudinal edges of the panel or pallet label (packaging)  
**e.g. 51 J 091 5** (codes for production plant, year and date of production, inspector)
- 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
- Name and address of the manufacturer: **TILLY Holzindustrie GesmbH**;  
A-9330 Althofen, Krappfelder Straße 27; [office.platten@tilly.at](mailto:office.platten@tilly.at); [www.tilly.at](http://www.tilly.at)
- Authorized representative: not applicable
- System of assessment and verification of constancy of performance of the construction product: **4**
- Name and contact of the notified body for a harmonized construction product: not applicable
- European Technical Assessment (ETA): not applicable
- Declared performance

Significant characteristic		Performance									harm. technical specification	
SWP/2 NS L1 NC softwood 12-52 mm		Standard thickness*)		14	18	21	24	27	32	42		52
1	Bending strength (panel shear)	$f_{m,0, flat}$	NPD									EN 13986:2004+A1:2015
		$f_{m,90, flat}$	NPD									
2	Bonding strength	$f_v$	SWP/2 acc. to EN 13354:2011 (pretreatment 1)									
			$f_v \geq 2,5 \text{ N/mm}^2$ (wood failure $\geq 40\%$ )									
3	Internal bond		NPD									
4	Durability (moisture expansion)		NPD									
5	Durability (moisture resistance)		SWP/2; $f_v \geq 2,5 \text{ N/mm}^2$									
6	Release of formaldehyde	Class	E1 (E0); $\leq 0,062 \text{ mg/m}^3$ bzw. $\leq 0,05 \text{ ppm}$									
7	Reaction to fire	Class	Minimum Thickness	End use condition								
		D-s2, d0	12 mm	Without air gap behind wood panel								
			15 mm	With air gap behind wood panel								
			18 mm	With air gap behind wooden material								
D-s2, d2	12 mm	With air gap closed or open and no greater than 22 mm behind wood panel										
8 + 11	Water vapour permeability $\mu$ (species: humid/dry) Mean density $\rho_{mean}$ [kg/m <sup>3</sup> ] Thermal conductivity $\lambda$	$\mu$ [1] $\rho_{mean}$ [kg/m <sup>3</sup> ] $\lambda$ [W/mK]	Species		$\mu$ [1]	$\rho_{mean}$ [kg/m <sup>3</sup> ]	$\lambda$ [W/mK]					
			Spruce		67/193	470	0,12					
			Pine		75/205	550	0,14					
			Larch		78/208	580	0,15					
9	Airborne sound insulation R	R [dB]	Spruce	24,6	26,1	26,9	27,7	28,3	29,3	30,8	32,0	
			Pine	25,5	26,9	27,8	28,6	29,2	29,8	30,2	30,7	
			Larch	25,8	27,2	28,1	28,9	29,5	30,1	30,5	31,0	
10	Sound absorption $\alpha$	$\alpha$ [1]	0,1 (250-500 Hz)									
			0,3 (1000-2000 Hz)									
12	Biological Durability		Use class 2									
13	Content of pentachlorophenol	PCP	< 5 ppm									

\*) 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, 01.04.2026

Mag. Mario Wagner  
Director  
TILLY Holzindustrie GesmbH

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