DECLARATION OF PERFORMANCE - No.: Binderholz-01-SWP/1 S

Changed on 21.04.2016

Referring to Regulation No. 305/2011 (BauPVo)

1.	Unique identification code of the prod- uct-type	SWP/1 S-D
2.	Type, batch or serial number or any other element allowing identification of the construction product	SWP/1 S-D (thickness, 12-60), three-layer solid wood panel (L3) or five-layer (L5)
3.	Name and address of the manufacturer	Binderholz GmbH, Gewerbegebiet 2, A-5113 St. Georgen
4.	Intended uses of the construction prod- uct	Solid wood panel according to EN 13353:2011, article 3.2.2 for internal use as structural components in dry conditions
5.	System of assessment and verification	2+
6.	Applicable relevant harmonised stan- dard	EN 13986:2004

Name and identification number of the institute:

The Development and Testing Laboratory Holztechnologie Dresden GmbH (NB No. 0766) has performed the first inspection of the plant and the factory production control (WKP) after the system 2+, carries out the continuous monitoring, evaluation and evaluation of the WKP.

	uropean Technical Assessmen	t (ETA): r	not applicable			
8. E	ssential features			25cm20 52 520		
				The state of the s	ness in mm	
			(min. 12) –	>20 - 30	>30 - 42	>42 –
			20			(max. 80)
			Panel lo			
	Bending strength in N/mm²	fm, o	35	30	16	12
		f m, 90	5	5	9	9
	Share	fr, o	1,6	1,6	1,2	1,4
m ²		fr, 90	1,4	1,4	1,4	1,4
m/	****	11 11 11 11 11 11 11 11 11 11 11 11 11	Disc loa	ding		
Z	Bending strength in N/mm ²	$f_{P, 0}$	25	14	12	10
tt.		f _P , 90	12	12	12	12
strength [N/mm²]	Tensile	$f_{t, o}$	16	9	6	6
stre	- 11/2 11/2	f t, 90	6	6	6	6
•	Compressive	f c, 0	16	16	10	10
		f c, 90	10	10	16	16
	Share	fv, o	4	4	3,5	2,5
		fv, 90	5	3,5	2,5	2
			Panel lo	ads		
	Bending strength in N/mm ²	Em, 0	10000	8200	7600	7100
		E _{m, 90}	550	550	1500	1500
π²]	Share	Gr, o	41	41	41	41
Ē		Gr, 90	41	41	41	41
Ž			Disc lo	ads		
stiffness [N/mm²]	Bending strength in N/mm²	E _{p, 0}	4700	2900	2400	1800
ne		E _{p, 90}	3500	3500	4700	4700
Ħ	Tensile	E _{t, 0}	4700	3500	2400	2400
U)		E _{t, 90}	2900	2900	2900	2900
	Shear	G _{v, 0}	470	470	470	470
		Gv. 90	470	470	470	470
Shoo	ck shear as point load resistanc					
	disc carrying capacity			npd		
	k resistance	1977 H. 1971	11 - 5 - 5 - 1	npd	188 17. 7.	30 - 110
7765///2516.T				1		

Reac	tion to fire	Fire class	Minimum	The state of the s
		D-s2,d0	12 mm	without air gap behind the wood material
			15 mm	with closed air gap behind the wood material
			18 mm	with open air gap behind the wood material
		D-s2,d2	12 mm	with closed air gap or open air gap of not more than 22 mm behind the wood material
Dural	bility			EN 13986 tab. 9
Rele	ase of formaldehyde			E1
Rele	ase of pentachlorpheno	l		≤ 5 ppm
Airbo	orne sound insulation			$R = 13 \times \lg (m_A) + 14$
Sour	nd absorption α			0,10 for frequency range 250 – 500 Hz 0,30 for frequency range 1000 – 2000 Hz
Wate	er vapour permeability µ	i s		- mean density 300 kg/m³: μ wet cup50, μ dry cup 150 - mean density 500 kg/m³: μ wet cup70, μ drycup 200
Emb	edding strength			npd
Air p	ermeability			npd
	Quality of gluing			SWP/1 (after cold water storage)
>	Transverse tensile stre	ength		npd
pilit	Thickness swelling			npd
Durability	Moisture resistance	5.00		SWP/1
	mechanical (i.e., creep	creep)		npd

NPD: Characteristic values not set

9. Signed for and on behalf of the manufacturer by:

Matteo Binder Geschäftsführer

St. Georgen, 21.04.2016



DECLARATION OF PERFORMANCE - No.: Binderholz-02-SWP/2 S

Changed on 05-11-2020

Referring to Regulation No. 305/2011 (BauPVo)

tiptop timber

1.	Unique identification code of the product- type	SWP/2 SD
2.	Type, batch or serial number or any other element allowing identification of the construction product	SWP/2 S-D (thickness, 12-60 mm), three-layer solid wood panel (L3) or five-layer (L5)
3.	Name and address of the manufacturer	Binderholz GmbH, Gewerbegebiet 2, A-5113 St. Georgen
4.	Intended uses of the construction product	Solid wood panel according to EN 13353:2011, article 3.2.2 for internal use as structural components in humid conditions
5.	System of assessment and verification	2+
6.	Applicable relevant harmonised standard	EN 13986:2004+A1:2015
7.		Iztechnologie Dresden GmbH (NB No. 0766) has performed the first tion control (WKP) after the system 2+, carries out the continuous
8.	European Technical Assessment (ETA): not a	applicable

		2,000		395 188	Thickne	ess in r	nm				-			
S-values	S-values related to the current standard EN 12369-3, SD-individual, declared values (Multistat)													
Thickness [mm]	(min. 1	2) - 20	> 20 -	30		> 30 -	42					> 42 -		
L3, L5/SD	B, L5/SD 19 22 27 32 40 42 35 42									50	60			
		L3		L3	L3		L3	L3	L3	L5	L5		L3	L3
	S	SD	S	SD	SD	S	SD	SD	SD	SD	SD	S	SD	SD
Characteristic strength [N/mm²] Panel loads														
Bending strength $f_{m,0}$	35	40	30	40	37	16	33	26	25	31	36	12	32	28
Bending strength $f_{\text{m, 90}}$	5	12	5	10	9	9	13	18	18	21	19	9	14	16
Share $f_{v,0}$	4	4		4			3,5						2,5	
Share $f_{v, 90}$	Į į	5	3,5			2,5							2	
			Char	acteristi	c streng	th [N/	mm²] Di	sc load	ds					
Bending strength $f_{p,0}$	2	5		14				12	2				10	
Bending strength $f_{\rm p,90}$	1	2		12		12								
Tensile $f_{t,0}$	1	6		9				6					6	
Tensile $f_{t,90}$	(5		6		6							6	
Compressive $f_{c, 0}$	1	6	16					10)			10		
Compressive $f_{c,90}$	1	0	10			16						16		
Share $f_{r,0}$	1,	,6		1,6		1,2						1,2		
Share $f_{r, 90}$	1	,4		1,4				1,4	1			1,4		

Medium stiffness [N/mm²] Panel loads														
Bending strength $E_{m,0}$	10000	11000	8200	11100	11500	7600	10400	9000	9000	9400	9600	7100	10800	9800
Bending stren. E _{m, 90}	550	1500	550	1100	700	1500	1800	3100	3400	4200	3500	1500	2100	2800
Share $G_{\rm v,0}$	47	70		470				47	0				470	
Share $G_{ m v,90}$	47	70		470				47	0		66		470	

9. Essential features

	Medium stiffness [N/mm²] Disc loads											
Bending stiffness $E_{\rm p,0}$	4700	2900	2400	1800								
Bending stiffness $E_{p, 90}$	3500	3500	4700	4700								
Tensile E _{t,0}	4700	3500	2400	2400								
Tensile E _{t,90}	2900	2900	2900	2900								
Share $G_{r,0}$	41	41	41	41								
Share $G_{r,90}$	41	41	41	41								

Shock she	ar as point load resistar	ice and point load	d stiffness		npd				
Wall disc o	arrying capacity				npd				
shock resis	stance				npd				
Reaction to	fire	Fire class	Minimun thicknes	10.000	application condition				
		D-s2,d0	12 mm	with	out air gap behind the wood material				
			15 mm	with closed air gap behind the wood materia					
			18 mm						
		D-s2,d2	12 mm		closed air gap or open air gap of not more 22 mm behind the wood material				
Durability				EN 139	986 tab. 10				
Release of	formaldehyde	1100000000	19	E1					
Release of	pentachlorphenol			≤ 5 ppr	m				
Airborne so	ound insulation			$R = 13 \times \lg (m_A) + 14$					
Sound abs	orption a			0,10 for frequency range 250 – 500 Hz 0,30 for frequency range 1000 – 2000 Hz					
Water vapo	our permeability µ			- mean density 300 kg/m³: μ wet cup50, μ dry cup 150 - mean density 500 kg/m³: μ wet cup70, μ dry cup 200					
Embedding	strength	11		npd					
Air permea	bility			npd	AND				
	Quality of gluing			SWP/2	(after boiling water storage)				
>	Transverse tensile str	ength		npd					
pilit	Thickness swelling			npd					
Durability	Moisture resistance			SWP/2					
	mechanical (i.e., cree	creep)		npd					

NPD: Characteristic values not set

10. Signed for and on behalf of the manufacturer by:

Matteo Binder

Geschäftsführer

St. Georgen, 11-05-2020



DECLARATION OF PERFORMANCE - No.: Binderholz-03-SWP/3 S

Changed on 05-11-2020

Referring to Regulation No. 305/2011 (BauPVo)

tiptop timber

1.	Unique identification code of the product- type	SWP/3 SD
2.	Type, batch or serial number or any other element allowing identification of the construction product	SWP/3 S-D (thickness, 12-60 mm), three-layer solid wood panel (L3) or five-layer (L5)
3.	Name and address of the manufacturer	Binderholz GmbH, Gewerbegebiet 2, A-5113 St. Georgen
4.	Intended uses of the construction product	Solid wood panel according to EN 13353:2011, article 3.2.2 as structural components for external use
5.	System of assessment and verification	2+
6.	Applicable relevant harmonised standard	EN 13986:2004+A1:2015
7.	Name and identification number of the institute The Development and Testing Laboratory Holz inspection of the plant and the factory producti monitoring, evaluation and evaluation of the W	ztechnologie Dresden GmbH (NB No. 0766) has performed the first on control (WKP) after the system 2+, carries out the continuous
8.	European Technical Assessment (ETA): not a	

					Thickne	ess in r	nm			VIII. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	*			
S-values	related	to the	current	standar	d EN 12	369-3,	SD-ind	ividual,	decla	red val	lues (N	/lultista	at)	
Thickness [mm]	(min. 1	2) - 20	> 20 -	- 30		> 30 -	42					> 42 -	60	
L3, L5/SD		19		22	27	7 32 40 42 35 42							50	60
		L3		L3	L3		L3	L3	L3	L5	L5		L3	L3
	S	SD	S	SD	SD	S	SD	SD	SD	SD	SD	S	SD	SD
Characteristic strength [N/mm²] Panel loads														
Bending strength f _{m,0}	35	40	30	40	37	16	33	26	25	31	36	12	32	28
Bending strength $f_{\text{m, 90}}$	5	12	5	10	9	9	13	18	18	21	19	9	14	16
Share $f_{v,0}$	4	4		4				3,	5				2,5	
Share $f_{v, 90}$!	5		3,5	=			2,	5			2		
			Char	acteristi	c streng	th [N/	mm²] D	isc load	ds					
Bending strength $f_{p,0}$	2	.5		14				12	2	200			10	
Bending strength $f_{ m p,90}$	1	2		12		12								
Tensile $f_{t, 0}$	1	6		9				6					6	
Tensile $f_{t, 90}$		5		6				6					6	
Compressive f _{c, 0} 16 16 10									10		10			
Compressive $f_{c, 90}$ 10 10									16					
Share $f_{r, 0}$	1,	,6		1,6				1,2	2				1,2	
Share $f_{r, 90}$	1,	,4		1,4				1,4	4				1,4	

			Me	edium st	iffness	N/mm	²] Panel	loads	St					
Bending strength $E_{\rm m,0}$	10000	11000	8200	11100	11500	7600	10400	9000	9000	9400	9600	7100	10800	9800
Bending stren. E _{m, 90}	550	1500	550	1100	700	1500	1800	3100	3400	4200	3500	1500	2100	2800
Share $G_{\rm v,0}$	47	70		470				47	0				470	
Share $G_{\rm v,90}$	47	70		470				47	0		20		470	

9. Essential features

	Medium stiffness [N/mm²] Disc loads											
Bending stiffness $E_{\rm p,0}$	4700	2900	2400	1800								
Bending stiffness $E_{p, 90}$	3500	3500	4700	4700								
Tensile E _{t,0}	4700	3500	2400	2400								
Tensile E _{t,90}	2900	2900	2900	2900								
Share $G_{r,0}$	41	41	41	41								
Share G r, 90	41	41	41	41								

Shock shear as point load resistance and point load stiffness				npd		
Wall disc carrying capacity					npd	
shock resistance					npd	
Reaction to	fire	Fire class	Minimum thicknes	1	application condition	
		D-s2,d0	12 mm	without air gap behind the wood material		
			15 mm	with	closed air gap behind the wood material	
			18 mm	with	open air gap behind the wood material	
		D-s2,d2	12 mm	with closed air gap or open air gap of not mo		
				than	than 22 mm behind the wood material	
Durability				EN 13986 tab. 10		
Release of formaldehyde				E1		
Release of pentachlorphenol				≤ 5 ppm		
Airborne sound insulation				$R = 13 \times \lg (m_A) + 14$		
Sound absorption α			0,10 for frequency range 250 – 500 Hz			
				0,30 for frequency range 1000 – 2000 Hz		
Water vapour permeability μ				- mean density 300 kg/m³: μ wet cup50, μ dry cup 150 - mean density 500 kg/m³: μ wet cup70, μ drycup 200		
Embedding strength				npd		
Air permeability				npd		
Durability	Quality of gluing			SWP/3	SWP/3 (after boiling change storage)	
	Transverse tensile strength			npd		
	Thickness swelling			npd		
	Moisture resistance			SWP/3		
	mechanical (i.e., creep creep)			npd		

NPD: Characteristic values not set

10. Signed for and on behalf of the manufacturer by:

Matteo Binder

Geschäftsführer

St. Georgen, 11-05-2020