



Declaration of Performance

binderholz 3- AND 5-LAYER SOLID WOOD PANEL

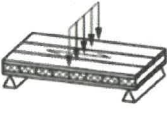
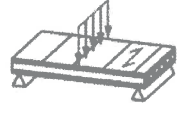



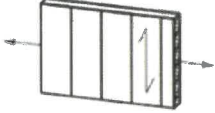

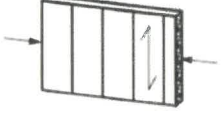



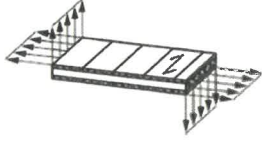
Referring to Regulation No. 305/2011 (BauPVo)

Modification as of the 1st of December 2023

N° Binderholz-01-SWP/1 S and SWP/1 SD													
1.	Unique identification code of the product type	SWP/1 S and SWP/1 SD											
2.	Type, batch or serial number or any other element allowing identification of the construction product	SWP/1 S and SWP/1 SD (range of thicknesses 12-60 mm), three-layer solid wood panel (L3) or five-layer solid wood panel (L5)											
3.	Name and address of the manufacturer	Binderholz GmbH – solid wood panels plant Gewerbegebiet 2, A-5113 St. Georgen											
4.	Intended uses of the construction product	Solid wood panel according to EN 13353:2022, article 3.2.2 as structural components for use in dry conditions											
5.	System of assessment and verification	2+											
6.	Applicable relevant harmonised standard	EN 13986:2004+A1:2015											
7.	Name and identification number of the notified body	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.											
8.	European Technical Assessment	Not applicable											
9.	Essential characteristics												
Thicknesses in mm													
S-values related to the current standard EN 12369-3, SD-values: individually declared values/auto-declaration (Multistat)													
Thickness [mm]	12 - 20			> 20 - 30			> 30 - 60						
		19		22	27		32	35	40	42	42	50	60
L3, L5/SD		L3		L3	L3		L3	L5	L3	L3	L5	L3	L3
	S	SD	S	SD	SD	S	SD	SD	SD	SD	SD	SD	SD
Characteristic strength [N/mm ²] – panel loads													
Bending strength $f_{m,0,flat}$	30	40	27	40	37	20	33	31	26	25	36	32	28
Bending strength $f_{m,90,flat}$	5	12	5	10	9	10	13	21	18	18	19	14	16
Share $f_{v,0,edge}$	1			1			1						
Share $f_{v,90,edge}$	1			1			1						
Characteristic strength [N/mm ²] – disc loads													
Bending strength $f_{p,0}$	25			18			12						
Bending strength $f_{p,90}$	12			12			12						
Tensile $f_{t,0}$	12			9			6						
Tensile $f_{t,90}$	3			3			3						
Compressive $f_{c,0}$	18			16			10						
Compressive $f_{c,90}$	10			10			10						
Share $f_{v,0,flat}$	4			4			2,5						
Share $f_{v,90,flat}$	4			4			2,5						
Medium stiffness [N/mm ²] – panel loads													
Bending strength $E_{m,0,flat}$	10000	11000	10000	11100	11500	8000	10400	9400	9000	9000	9600	10800	9800
Bending strength $E_{m,90,flat}$	650	1500	800	1100	800	1500	1800	4200	3100	3400	3500	2100	2800
Share $G_{0,edge}$	470			470			470						
Share $G_{90,edge}$	470			470			470						

Medium stiffness [N/mm ²] – disc loads			
Bending strength $E_{m,0,edge}$	6000	5000	4000
Bending strength $E_{m,90,edge}$	4000	4000	4000
Tensile $E_{t,0}$	6000	5000	4000
Tensile $E_{t,90}$	4000	4000	4000
Share $G_{0,flat}$	50	50	50
Share $G_{90,flat}$	50	50	50

Directions of load and symbols

$f_{m,0,flat}$ & $E_{m,0,flat}$	$f_{m,90,flat}$ & $E_{m,90,flat}$	$f_{m,0,edge}$ & $E_{m,0,edge}$	$f_{m,90,edge}$ & $E_{m,90,edge}$
			
$f_{t,0}$ & $E_{t,0}$	$f_{t,90}$ & $E_{t,90}$	$f_{c,0}$ & $E_{c,0}$	$f_{c,90}$ & $E_{c,90}$
			
$f_{v,0,edge}$ & $G_{0,edge}$	$f_{v,90,edge}$ & $G_{90,edge}$	$f_{v,0,flat}$ & $G_{0,flat}$	$f_{v,90,flat}$ & $G_{90,flat}$
			

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 thickness
	D-s2, d0	12 mm
		15 mm
		18 mm
	D-s2, d2	12 mm
End application condition		
		Without air gap behind the wood material
		With closed air gap behind the wood material
		With open air gap behind the wood material
		With closed air gap or open air gap of not more than 22 mm behind the wood material
Water vapour permeability μ	EN 13986 Tab. 9	
Release of formaldehyde	E1	
Release of pentachlorophenol	≤ 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	
Thermal conductivity λ	- mean density 300 kg/m ³ : λ 0,09 W/mK - mean density 500 kg/m ³ : λ 0,13 W/mK	

Embedding strength	npd	
Air permeability	npd	
Durability	Quality of gluing	SWP/1 (after cold water storage)
	Traverse tensile strength	npd
	Thickness swelling	npd
	Moisture resistance	SWP/1
	Mechanical (i.e. creep strength-creep)	npd
10.	The products manufactured by binderholz are not governed by any REACH registration obligation .	

npd: characteristic values not set

Signed for and on behalf of the manufacturer by

St. Georgen the 1st of December 2023

Matteo Binder
Managing Director



Declaration of Performance

binderholz 3- AND 5-LAYER SOLID WOOD PANEL

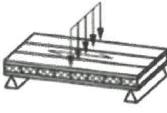
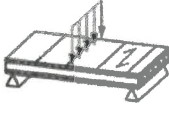



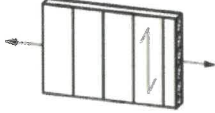
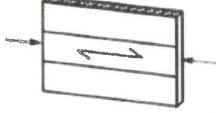
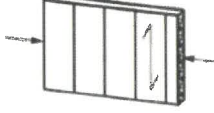

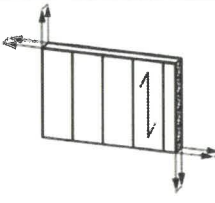

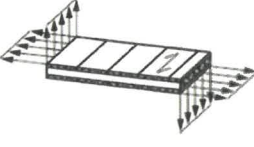
Referring to Regulation No. 305/2011 (BauPVo)

Modification as of the 1st of December 2023

N° Binderholz-02-SWP/2 S and SWP/2 SD														
1.	Unique identification code of the product type		SWP/2 S and SWP/2 SD											
2.	Type, batch or serial number or any other element allowing identification of the construction product		SWP/2 S and SWP/2 SD (range of thicknesses 12-60 mm), three-layer solid wood panel (L3) or five-layer solid wood panel (L5)											
3.	Name and address of the manufacturer		Binderholz GmbH – solid wood panels plant Gewerbegebiet 2, A-5113 St. Georgen											
4.	Intended uses of the construction product		Solid wood panel according to EN 13353:2022, article 3.2.2 as structural components for use in dry conditions											
5.	System of assessment and verification		2+											
6.	Applicable relevant harmonised standard		EN 13986:2004+A1:2015											
7.	Name and identification number of the notified body		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.											
8.	European Technical Assessment		Not applicable											
9.	Essential characteristics													
Thicknesses in mm														
S-values related to the current standard EN 12369-3, SD-values: individually declared values/auto-declaration (Multistat)														
Thickness [mm]		12 - 20			> 20 - 30			> 30 - 60						
		19	22	27	32	35	40	42	42	50	60			
		L3	L3	L3	L3	L5	L3	L3	L5	L3	L3			
L3, L5/SD		S	SD	S	SD	SD	S	SD	SD	SD	SD	SD	SD	
Characteristic strength [N/mm ²] – panel loads														
Bending strength $f_{m,0,flat}$		30	40	27	40	37	20	33	31	26	25	36	32	28
Bending strength $f_{m,90,flat}$		5	12	5	10	9	10	13	21	18	18	19	14	16
Share $f_{v,0,edge}$		1	1			1								
Share $f_{v,90,edge}$		1	1			1								
Characteristic strength [N/mm ²] – disc loads														
Bending strength $f_{p,0}$		25	18			12								
Bending strength $f_{p,90}$		12	12			12								
Tensile $f_{t,0}$		12	9			6								
Tensile $f_{t,90}$		3	3			3								
Compressive $f_{c,0}$		18	16			10								
Compressive $f_{c,90}$		10	10			10								
Share $f_{v,0,flat}$		4	4			2,5								
Share $f_{v,90,flat}$		4	4			2,5								
Medium stiffness [N/mm ²] – panel loads														
Bending strength $E_{m,0,flat}$		10000	11000	10000	11100	11500	8000	10400	9400	9000	9000	9600	10800	9800
Bending strength $E_{m,90,flat}$		650	1500	800	1100	800	1500	1800	4200	3100	3400	3500	2100	2800
Share $G_{0,edge}$		470	470			470								
Share $G_{90,edge}$		470	470			470								

Medium stiffness [N/mm ²] – disc loads			
Bending strength $E_{m,0,edge}$	6000	5000	4000
Bending strength $E_{m,90,edge}$	4000	4000	4000
Tensile $E_{t,0}$	6000	5000	4000
Tensile $E_{t,90}$	4000	4000	4000
Share $G_{0,flat}$	50	50	50
Share $G_{90,flat}$	50	50	50

Directions of load and symbols

$f_{m,0,flat}$ & $E_{m,0,flat}$	$f_{m,90,flat}$ & $E_{m,90,flat}$	$f_{m,0,edge}$ & $E_{m,0,edge}$	$f_{m,90,edge}$ & $E_{m,90,edge}$
			
$f_{t,0}$ & $E_{t,0}$	$f_{t,90}$ & $E_{t,90}$	$f_{c,0}$ & $E_{c,0}$	$f_{c,90}$ & $E_{c,90}$
			
$f_{v,0,edge}$ & $G_{0,edge}$	$f_{v,90,edge}$ & $G_{90,edge}$	$f_{v,0,flat}$ & $G_{0,flat}$	$f_{v,90,flat}$ & $G_{90,flat}$
			

Shock shear as point load resistance and point load stiffness		npd	
Wall disc carrying capacity		npd	
Shock resistance		npd	
Reaction to fire	Fire class	End 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 more than 22 mm behind the wood material	
Water vapour permeability μ	EN 13986 Tab. 9		
Release of formaldehyde	E1		
Release of pentachlorophenol	≤ 5 ppm		
Airborne sound insulation	$R = 13 \times l_g (m_A) + 14$		
Sound absorption α	0,10 for frequency range 250 - 500 Hz 0,30 for frequency range 1000 - 2000 Hz		
Thermal conductivity λ	- mean density 300 kg/m ³ : λ 0,09 W/mK - mean density 500 kg/m ³ : λ 0,13 W/mK		

Embedding strength	npd	
Air permeability	npd	
Durability	Quality of gluing	SWP/2 (after boiling water storage)
	Traverse tensile strength	npd
	Thickness swelling	npd
	Moisture resistance	SWP/2
	Mechanical (i.e. creep strength-creep)	npd
10.	The products manufactured by binderholz are not governed by any REACH registration obligation .	

npd: characteristic values not set

Signed for and on behalf of the manufacturer by

St. Georgen the 1st of December 2023

Matteo Binder
Managing Director



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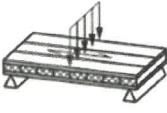
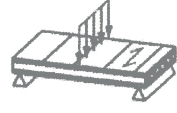
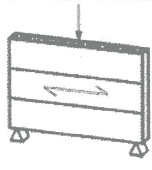


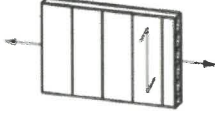

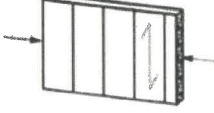

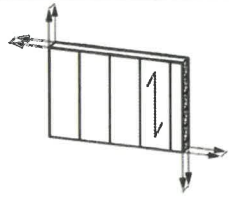

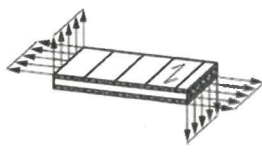
Referring to Regulation No. 305/2011 (BauPVo)

Modification as of the 1st of December 2023

N° Binderholz-03-SWP/3 S and SWP/3 SD													
1.	Unique identification code of the product type		SWP/3 S and SWP/3 SD										
2.	Type, batch or serial number or any other element allowing identification of the construction product		SWP/3 S and SWP/3 SD (range of thicknesses 12-60 mm), three-layer solid wood panel (L3) or five-layer solid wood panel (L5)										
3.	Name and address of the manufacturer		Binderholz GmbH – solid wood panels plant Gewerbegebiet 2, A-5113 St. Georgen										
4.	Intended uses of the construction product		Solid wood panel according to EN 13353:2022, 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 notified body		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.										
8.	European Technical Assessment		Not applicable										
9.	Essential characteristics												
Thicknesses in mm													
S-values related to the current standard EN 12369-3, SD-values: individually declared values/auto-declaration (Multistat)													
Thickness [mm]	12 - 20			> 20 - 30			> 30 - 60						
		19		22	27		32	35	40	42	42	50	60
L3, L5/SD		L3		L3	L3		L3	L5	L3	L3	L5	L3	L3
	S	SD	S	SD	SD	S	SD	SD	SD	SD	SD	SD	SD
Characteristic strength [N/mm ²] – panel loads													
Bending strength $f_{m,0,flat}$	30	40	27	40	37	20	33	31	26	25	36	32	28
Bending strength $f_{m,90,flat}$	5	12	5	10	9	10	13	21	18	18	19	14	16
Share $f_{v,0,edge}$	1		1			1							
Share $f_{v,90,edge}$	1		1			1							
Characteristic strength [N/mm ²] – disc loads													
Bending strength $f_{p,0}$	25		18			12							
Bending strength $f_{p,90}$	12		12			12							
Tensile $f_{t,0}$	12		9			6							
Tensile $f_{t,90}$	3		3			3							
Compressive $f_{c,0}$	18		16			10							
Compressive $f_{c,90}$	10		10			10							
Share $f_{v,0,flat}$	4		4			2,5							
Share $f_{v,90,flat}$	4		4			2,5							
Medium stiffness [N/mm ²] – panel loads													
Bending strength $E_{m,0,flat}$	10000	11000	10000	11100	11500	8000	10400	9400	9000	9000	9600	10800	9800
Bending strength $E_{m,90,flat}$	650	1500	800	1100	800	1500	1800	4200	3100	3400	3500	2100	2800
Share $G_{0,edge}$	470		470			470							
Share $G_{90,edge}$	470		470			470							

Medium stiffness [N/mm ²] – disc loads			
Bending strength $E_{m,0,edge}$	6000	5000	4000
Bending strength $E_{m,90,edge}$	4000	4000	4000
Tensile $E_{t,0}$	6000	5000	4000
Tensile $E_{t,90}$	4000	4000	4000
Share $G_{0,flat}$	50	50	50
Share $G_{90,flat}$	50	50	50

Directions of load and symbols

$f_{m,0,flat}$ & $E_{m,0,flat}$	$f_{m,90,flat}$ & $E_{m,90,flat}$	$f_{m,0,edge}$ & $E_{m,0,edge}$	$f_{m,90,edge}$ & $E_{m,90,edge}$
			
$f_{t,0}$ & $E_{t,0}$	$f_{t,90}$ & $E_{t,90}$	$f_{c,0}$ & $E_{c,0}$	$f_{c,90}$ & $E_{c,90}$
			
$f_{v,0,edge}$ & $G_{0,edge}$	$f_{v,90,edge}$ & $G_{90,edge}$	$f_{v,0,flat}$ & $G_{0,flat}$	$f_{v,90,flat}$ & $G_{90,flat}$
			

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 thickness
	D-s2, d0	12 mm
		15 mm
		18 mm
	D-s2, d2	12 mm
		End application condition
		Without air gap behind the wood material
		With closed air gap behind the wood material
		With open air gap behind the wood material
		With closed air gap or open air gap of not more than 22 mm behind the wood material
Water vapour permeability μ	EN 13986 Tab. 9	
Release of formaldehyde	E1	
Release of pentachlorophenol	≤ 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	
Thermal conductivity λ	- mean density 300 kg/m ³ : λ 0,09 W/mK - mean density 500 kg/m ³ : λ 0,13 W/mK	

Embedding strength	npd	
Air permeability	npd	
Durability	Quality of gluing	SWP/3 (after boiling change storage)
	Traverse tensile strength	npd
	Thickness swelling	npd
	Moisture resistance	SWP/3
	Mechanical (i.e. creep strength-creep)	npd
10.	The products manufactured by binderholz are not governed by any REACH registration obligation .	

npd: characteristic values not set

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St. Georgen the 1st of December 2023

Matteo Binder
Managing Director