CE

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

Referring to Regulation No. 305/2011 (BauPVo)

binderholz
tiptop timber

Unique identification code of the product-type	SWP/1 S-D
Type, batch or serial number or any other element allowing identification of the construction product	SWP/1 S-D (thickness, number), three-layer solid wood panel (L3) or five-layer (L5)
Name and address of the manufacturer	Binderholz GmbH, Gewerbegebiet 2, A-5113 St. Georgen
Intended uses of the construction product	Solid wood panel according to EN 13353:2011, article 3.1.1 for internal use as structural components in dry conditions
System of assessment and verification	2+
Applicable relevant harmonised standard	EN 13986:2004

Name and number of the institute:

"Entwicklungs- und Prüflabor Holztechnologie Dresden GmbH" (NB No. 0766) performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control.

Certificateno. 0766-CPD-179, 0766-CPD-188

Essential characteristics			Perfomance				Harmonised technical specification
	Identification-code		SWP/1 S-D01	SWP/1 S-D02	SWP/1 S-D03	SWP/1 S-D04	EN 13986:2004
	Thickness in mm		12 – 20	>20 – 30	>30 - 42	>42 - 60	
1	Bending strength in N/mm²	$f_{m,0}$ $f_{m,90}$	35 5	30 5	16 9	12 9	
2	Bending stiffness in N/mm² (E-modul)	$E_{m,0}$ $E_{m,90}$	8500 470	7000 470	6500 1300	6000 1300	
3	Quality of gluing		SWP/1 ref.EN 13354: 2008 (after cold water storage) • 0,4 ≤ f_V < 0,8 N/mm² (mean apparent cohesive wood failure ≥ 40%) • 0,8 ≤ f_V < 1,2 N/mm² (mean apparent cohesive wood failure ≥ 20%) • f_V ≥ 1,2 N/mm² (no requirement)				
4	Durability		SWP/1 according to EN 13354:2008 (after cold water storage)				
5	Release of formaldehyde		E1				
6	Reaction to fire		D-s2, d0				
7	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				
8	Airborne sound insulation		R = 13 x lg (m_A) + 14				
9	Sound absorption α		0,10 for frequency range 250 – 500 Hz 0,30 for frequency range 1000 – 2000 Hz				
10	Thermal conductivity λ		- mean density 300 kg/m³: λ 0,09 W/mK - mean density 500 kg/m³: λ 0,13 W/mK				
11	Mechanical durability		NPD				
12	Biological durability		NPD				
13	Release of pentachlorphenol		≤ 5 ppm				

NPD: Characteristic values not set

Signed for and on behalf of the manufacturer by:

Matteo Binder
Geschäftsführer

St. Georgen, 01.03.2013

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CE

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

Referring to Regulation No. 305/2011 (BauPVo)

binderholz
tiptop timber

Unique identification code of the product-type	SWP/2 S-D
Type, batch or serial number or any other element allowing identification of the construction product	SWP/2 S-D (thickness, number), three-layer solid wood panel (L3) or five-layer (L5)
Name and address of the manufacturer	Binderholz GmbH, Gewerbegebiet 2, A-5113 St. Georgen
Intended uses of the construction product	Solid wood panel according to EN 13353:2011, article 3.1.2 for internal use as structural components in humid conditions
System of assessment and verification	2+
Applicable relevant harmonised standard	EN 13986:2004

Name and number of the institute:

"Entwicklungs- und Prüflabor Holztechnologie Dresden GmbH" (NB No. 0766) performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control.

Certificate no. 0766-CPD-182, 0766-CPD-191

Essential characteristics			Perfomance				Harmonised technical specification
	Identification-code		SWP/2 S-D01	SWP/2 S-D02	SWP/2 S-D03	SWP/2 S-D04	EN 13986:2004
	Thickness in mm		12 – 20	>20 – 30	>30 - 42	>42 - 60	
1	Bending strength in N/mm²	$f_{m,0}$	35	30	16	12	
		$f_{m,90}$	5	5	9	9	
2	Bending stiffness in N/mm² (E-modul)	$E_{m,0}$	8500	7000	6500	6000	
		$E_{m,90}$	470	470	1300	1300	
3	Quality of gluing		SWP/2 ref.EN 13354: 2008 (after boiling water storage) • $0,4 \leq f_V < 0,8$ N/mm² (mean apparent cohesive wood failure ≥ 40%) • $0,8 \leq f_V < 1,2$ N/mm² (mean apparent cohesive wood failure ≥ 20%) • $f_V \geq 1,2$ N/mm² (no requirement)				
4	Durability		SWP/2 according to EN 13354:2008 (after boiling water storage)				
5	Release of formaldehyde		E1				
6	Reaction to fire		D-s2, d0				
7	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				
8	Airborne sound insulation		$R = 13 \times \lg(m_A) + 14$				
9	Sound absorption α		0,10 for frequency range 250 – 500 Hz 0,30 for frequency range 1000 – 2000 Hz				
10	Thermal conductivity λ		- mean density 300 kg/m³: λ 0,09 W/mK - mean density 500 kg/m³: λ 0,13 W/mK				
11	Mechanical durability		NPD				
12	Biological durability		NPD				
13	Release of pentachlorphenol		≤ 5 ppm				

NPD: Characteristic values not set

Signed for and on behalf of the manufacturer by:

Matteo Binder
Geschäftsführer

St. Georgen, 01.03.2014

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CE

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

Referring to Regulation No. 305/2011 (BauPVo)

binderholz
tiptop timber

Unique identification code of the product-type	SWP/3 S-D
Type, batch or serial number or any other element allowing identification of the construction product	SWP/3 S-D (thickness, number), three-layer solid wood panel (L3) or five-layer (L5)
Name and address of the manufacturer	Binderholz GmbH, Gewerbegebiet 2, A-5113 St. Georgen
Intended uses of the construction product	Solid wood panel according to EN 13353:2011, article 3.1.3 as structural components for external use
System of assessment and verification	2+
Applicable relevant harmonised standard	EN 13986:2004

Name and number of the institute:

"Entwicklungs- und Prüflabor Holztechnologie Dresden GmbH" (NB No. 0766) performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control.

Certificateno. 0766-CPD-185, 0766-CPD-194

Essential characteristics			Perfomance				Harmonised technical specification
	Identification-code		SWP/3 S-D01	SWP/3 S-D02	SWP/3 S-D03	SWP/3 S-D04	EN 13986:2004
	Thickness in mm		12 – 20	>20 – 30	>30 - 42	>42 - 60	
1	Bending strength in N/mm²	$f_{m,0}$ $f_{m,90}$	35 5	30 5	16 9	12 9	
2	Bending stiffness in N/mm² (E-modul)	$E_{m,0}$ $E_{m,90}$	8500 470	7000 470	6500 1300	6000 1300	
3	Quality of gluing		SWP/3 ref.EN 13354: 2008 (after boiling change storage) • 0,4 ≤ f_V < 0,8 N/mm² (mean apparent cohesive wood failure ≥ 40%) • 0,8 ≤ f_V < 1,2 N/mm² (mean apparent cohesive wood failure ≥ 20%) • f_V ≥ 1,2 N/mm² (no requirement)				
4	Durability		SWP/3 according to EN 13354:2008 (after boiling change storage)				
5	Release of formaldehyde		E1				
6	Reaction to fire		D-s2, d0				
7	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				
8	Airborne sound insulation		R = 13 x lg (m_A) + 14				
9	Sound absorption α		0,10 for frequency range 250 – 500 Hz 0,30 for frequency range 1000 – 2000 Hz				
10	Thermal conductivity λ		- mean density 300 kg/m³: λ 0,09 W/mK - mean density 500 kg/m³: λ 0,13 W/mK				
11	Mechanical durability		NPD				
12	Biological durability		NPD				
13	Release of pentachlorphenol		≤ 5 ppm				

NPD: Characteristic values not set

Signed for and on behalf of the manufacturer by:

Matteo Binder
Geschäftsführer

St. Georgen, 01.03.2014

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