




Declaration of Performance - No.: Nordpan-01.4-SWP/1 S

Modified 04-22-2020

Conforms to ordinance No. 305/2011 (BauPVo)

1. Product type identification code	SWP/1 S-D					
2. Product type identification marking	SWP/1 S-D (thickness interval 13-60mm), three layers (L3) or five layers (L5)					
3. Name and address of manufacturer	Nordpan GmbH, Industriezone 7, I-39030 OLANG					
4. Scope of use of construction product	Solid wood panel under the terms of EN 13353:2011 as structural component for internal use in dry conditions					
5. System for evaluation/check	2+					
6. Harmonised regulation applicable	EN 13986:2004+A1:2015					
7. Name and identification number of the notified organisation:	<i>The Entwicklungs- und Prüflabor Holztechnologie Dresden GmbH (NB Nr. 0766) carried out the first inspection of the plant and the company production control (WKP) in conformity with System 2+ and takes care of ongoing controls, estimates and evaluations of WKP.</i>					
8. European Technical Analysis (ETA): missing						
9. Main characteristics according to EN 12369-3:2008	Nominal Thickness Interval in mm					
	13-20	>20-30	>30-42	>42-60		
Resistance [N/mm ²]	Vertical Stress					
	Bending *	$f_{m,0}$	35	30	16	12
		$f_{m,90}$	5	5	9	9
	Pushing	$f_{r,0}$	1.6	1.6	1.2	1.4
		$f_{r,90}$	1.4	1.4	1.4	1.4
	Horizontal stress					
	Bending	$f_{p,0}$	25	14	12	10
		$f_{p,90}$	12	12	12	12
	Pulling	$f_{t,0}$	16	9	6	6
		$f_{t,90}$	6	6	6	6
	Pressure	$f_{c,0}$	16	16	10	10
		$f_{c,90}$	10	10	16	16
	Pushing	$f_{v,0}$	4	4	3.5	2.5
		$f_{v,90}$	5	3.5	2.5	2
Rigidity [N/mm ²]	Vertical Stress					
	Bending *	$E_{m,0}$	10000	8200	7600	7100
		$E_{m,90}$	550	550	1500	1500
	Pushing	$G_{r,0}$	41	41	41	41
		$G_{r,90}$	41	41	41	41
	Horizontal stress					
	Bending	$E_{p,0}$	4700	2900	2400	1800
		$E_{p,90}$	3500	3500	4700	4700
	Pulling	$E_{t,0}$	4700	3500	2400	2400
		$E_{t,90}$	2900	2900	2900	2900
	Pushing	$G_{v,0}$	470	470	470	470
		$G_{v,90}$	470	470	470	470
	* Please note the individually declared values at the end of the document!					
	Deviation from impact as resistance under concentrated load and rigidity under concentrated load				npd	
Wall panel capacity				npd		
Resistance to shocks				npd		
Fire resistance	Fire re- sistance 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			

Permeability to water vapour		- Apparent average specific gravity 300 kg/m ³ : μ wet 50, μ dry 150 - Apparent average specific gravity 500 kg/m ³ : μ wet 70, μ dry 200
Formaldehyde emission		E1
Pentachlorophenol emission		≤ 5 ppm
Isolation of ambient noise		npd
Sound absorption		0.10 per gamma of frequencies between 250-500 Hz 0.30 per gamma of frequencies between 1000-2000 Hz
Thermal conductivity (density)		- Apparent average specific gravity 300 kg/m ³ : λ 0,09 W/mK - Apparent average specific gravity 500 kg/m ³ : λ 0,13 W/mK
Resistance to contact pressure		ρ _k = 430 kg/m ³
Air permeability		npd
Durability	Adhesion quality	SWP/1 in conformance with EN 13354:2008 (following immersion in cold water) •0.4 ≤ fV < 0.8 N/mm ² (with wood break level ≥ 40%) •0.8 ≤ fV < 1.2 N/mm ² (with wood break level ≥ 20%) •fV ≥ 1,2 N/mm ² (no requirement for wood to break)
	Resistance to transversal traction	npd
	Increase in thickness	npd
	Resistance to humidity	SWP/1
	mechanical (i.e. resistance to sliding-creeping)	npd
	biological	npd
npd: parameter not set		
Signed on behalf and in the name of the producer:		nordpan RUBNER NORDPAN GMBH-SRL Industriezone 7 Zona Industriale I-39030 OLANG – VALDAORA (BZ) Mwst-Nr. 00124160219 Part. IVA Tel. 0474 496255 – Fax 0474 498002
Horst Kofler Managing Director		Olang, 04-22-2020

Previous versions of the performance declaration can be requested by e-mailing
info@nordpan.rubner.com.

*** Individually declared bending values 3-ply NORDPAN:**

Bending values in N/mm ² - Individually declared values (SD) for 3-ply panels NORDPAN GMBH										
Thickness in mm	13	16	19	22	27	32	35	42	49	60
Bending $f_{m,0}$	35	35	35	30	30	25	25	25	25	25
Bending $f_{m,90}$	7,0	7,0	7,0	7,3	6	10	10	10	10	13
Bending $E_{m,0}$	10400	10000	10200	10000	10200	9700	9300	9900	9400	9400
Bending $E_{m,90}$	650	800	800	1300	800	1500	1500	1500	1500	1500

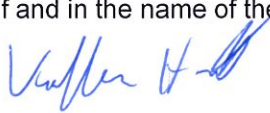


Declaration of Performance - No.: Nordpan-02.4-SWP/2 S

Modified 04-22-2020

Conforms to ordinance No. 305/2011 (BauPVo)

1. Product type identification code	SWP/2 S-D					
2. Product type identification marking	SWP/2 S-D (thickness interval 13-60mm), three layers (L3) or five layers (L5)					
3. Name and address of manufacturer	Nordpan GmbH, Industriezone 7, I-39030 OLANG					
4. Scope of use of construction product	Solid wood panel under the terms of EN 13353:2011 as structural component for internal use in humid condition					
5. System for evaluation/check	2+					
6. Harmonised regulation applicable	EN 13986:2004+A1:2015					
7. Name and identification number of the notified organisation:	<i>The Entwicklungs- und Prüflabor Holztechnologie Dresden GmbH (NB Nr. 0766) carried out the first inspection of the plant and the company production control (WKP) in conformity with System 2+ and takes care of ongoing controls, estimates and evaluations of WKP.</i>					
8. European Technical Analysis (ETA): missing						
9. Main characteristics according to EN 12369-3:2008	Nominal Thickness Interval in mm					
	13-20	>20-30	>30-42	>42-60		
Resistance [N/mm ²]	Vertical Stress					
	Bending *	$f_{m,0}$	35	30	16	12
		$f_{m,90}$	5	5	9	9
	Pushing	$f_{r,0}$	1.6	1.6	1.2	1.4
		$f_{r,90}$	1.4	1.4	1.4	1.4
	Horizontal stress					
	Bending	$f_{p,0}$	25	14	12	10
		$f_{p,90}$	12	12	12	12
	Pulling	$f_{t,0}$	16	9	6	6
		$f_{t,90}$	6	6	6	6
	Pressure	$f_{c,0}$	16	16	10	10
		$f_{c,90}$	10	10	16	16
	Pushing	$f_{v,0}$	4	4	3.5	2.5
		$f_{v,90}$	5	3.5	2.5	2
Rigidity [N/mm ²]	Vertical Stress					
	Bending *	$E_{m,0}$	10000	8200	7600	7100
		$E_{m,90}$	550	550	1500	1500
	Pushing	$G_{r,0}$	41	41	41	41
		$G_{r,90}$	41	41	41	41
	Horizontal stress					
	Bending	$E_{p,0}$	4700	2900	2400	1800
		$E_{p,90}$	3500	3500	4700	4700
	Pulling	$E_{t,0}$	4700	3500	2400	2400
		$E_{t,90}$	2900	2900	2900	2900
	Pushing	$G_{v,0}$	470	470	470	470
		$G_{v,90}$	470	470	470	470
* Please note the individually declared values at the end of the document!						
Deviation from impact as resistance under concentrated load and rigidity under concentrated load				npd		
Wall panel capacity				npd		
Resistance to shocks				npd		
Fire resistance	Fire resistance 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			

Permeability to water vapour		<ul style="list-style-type: none"> - Apparent average specific gravity 300 kg/m³: μ wet 50, μ dry 150 - Apparent average specific gravity 500 kg/m³: μ wet 70, μ dry 200
Formaldehyde emission		E1
Pentachlorophenol emission		≤ 5 ppm
Isolation of ambient noise		npd
Sound absorption		0.10 per gamma of frequencies between 250-500 Hz 0.30 per gamma of frequencies between 1000-2000 Hz
Thermal conductivity (density)		<ul style="list-style-type: none"> - Apparent average specific gravity 300 kg/m³: λ 0,09 W/mK - Apparent average specific gravity 500 kg/m³: λ 0,13 W/mK
Resistance to contact pressure		ρ _k = 430 kg/m ³
Air permeability		npd
Durability	Adhesion quality	SWP/2 in conformance with EN 13354:2008 (following immersion in boiling water) • 0.4 ≤ fV < 0.8 N/mm ² (with wood break level ≥ 40%) • 0.8 ≤ fV < 1.2 N/mm ² (with wood break level ≥ 20%) • fV ≥ 1,2 N/mm ² (no requirement for wood to break)
	Resistance to transversal traction	npd
	Increase in thickness	npd
	Resistance to humidity	SWP/2
	mechanical (i.e. resistance to sliding-creeping)	npd
	biological	npd
npd: parameter not set		
Signed on behalf and in the name of the producer:		 nordpan <small>RUBNER</small> NORDPAN GMBH-SRL Industriezone 7 Zona Industriale I-39030 OLANG – VALDAORA (BZ) Mwst-Nr. 00124160219 Part. IVA Tel. 0474 496255 – Fax 0474 498002
Horst Kofler Managing Director	Olang, 04-22-2020	

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*** Individually declared bending values 3-ply NORDPAN:**

Bending values in N/mm ² - Individually declared values (SD) for 3-ply panels NORDPAN GMBH										
Thickness in mm	13	16	19	22	27	32	35	42	49	60
Bending $f_{m,0}$	35	35	35	30	30	25	25	25	25	25
Bending $f_{m,90}$	7,0	7,0	7,0	7,3	6	10	10	10	10	13
Bending $E_{m,0}$	10400	10000	10200	10000	10200	9700	9300	9900	9400	9400
Bending $E_{m,90}$	650	800	800	1300	800	1500	1500	1500	1500	1500



Declaration of Performance - No.: Nordpan-03.4-SWP/3 S
Modified 04-22-2020

Conforms to ordinance No. 305/2011 (BauPVo)

1. Product type identification code	SWP/3 S-D					
2. Product type identification marking	SWP/3 S-D (thickness interval 13-60mm), three layers (L3) or five layers (L5)					
3. Name and address of manufacturer	Nordpan GmbH, Industriezone 7, I-39030 OLANG					
4. Scope of use of construction product	Solid wood panel under the terms of EN 13353:2011 as structural component for external use					
5. System for evaluation/check	2+					
6. Harmonised regulation applicable	EN 13986:2004+A1:2015					
7. Name and identification number of the notified organisation:	<i>The Entwicklungs- und Prüflabor Holztechnologie Dresden GmbH (NB Nr. 0766) carried out the first inspection of the plant and the company production control (WKP) in conformity with System 2+ and takes care of ongoing controls, estimates and evaluations of WKP.</i>					
8. European Technical Analysis (ETA): missing						
9. Main characteristics according to EN 12369-3:2008	Nominal Thickness Interval in mm					
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		$f_{r,90}$	1.4	1.4	1.4	1.4
	Horizontal stress					
	Bending	$f_{p,0}$	25	14	12	10
		$f_{p,90}$	12	12	12	12
	Pulling	$f_{t,0}$	16	9	6	6
		$f_{t,90}$	6	6	6	6
	Pressure	$f_{c,0}$	16	16	10	10
		$f_{c,90}$	10	10	16	16
Pushing	$f_{v,0}$	4	4	3.5	2.5	
	$f_{v,90}$	5	3.5	2.5	2	
Rigidity [N/mm ²]	Vertical Stress					
	Bending *	$E_{m,0}$	10000	8200	7600	7100
		$E_{m,90}$	550	550	1500	1500
	Pushing	$G_{r,0}$	41	41	41	41
		$G_{r,90}$	41	41	41	41
	Horizontal stress					
	Bending	$E_{p,0}$	4700	2900	2400	1800
		$E_{p,90}$	3500	3500	4700	4700
	Pulling	$E_{t,0}$	4700	3500	2400	2400
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	Pushing	$G_{v,0}$	470	470	470	470
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Deviation from impact as resistance under concentrated load and rigidity under concentrated load				npd		
Wall panel capacity				npd		
Resistance to shocks				npd		
Fire resistance	Fire resistance class	Minimum thickness	End use condition			
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	15 mm			With air gap behind wood panel		
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Permeability to water vapour	- Apparent average specific gravity 300 kg/m ³ : μ wet 50, μ dry 150 - Apparent average specific gravity 500 kg/m ³ : μ wet 70, μ dry 200	
Formaldehyde emission	E1	
Pentachlorophenol emission	≤ 5 ppm	
Isolation of ambient noise	npd	
Sound absorption	0.10 per gamma of frequencies between 250-500 Hz 0.30 per gamma of frequencies between 1000-2000 Hz	
Thermal conductivity (density)	- Apparent average specific gravity 300 kg/m ³ : λ 0,09 W/mK - Apparent average specific gravity 500 kg/m ³ : λ 0,13 W/mK	
Resistance to contact pressure	ρ _k = 430 kg/m ³	
Air permeability	npd	
Durability	Adhesion quality	SWP/3 in conformance with EN 13354:2008 (following immersion in varying boiling water) • 0.4 ≤ fV < 0.8 N/mm ² (with wood break level ≥ 40%) • 0.8 ≤ fV < 1.2 N/mm ² (with wood break level ≥ 20%) • fV ≥ 1,2 N/mm ² (no requirement for wood to break)
	Resistance to transversal traction	npd
	Increase in thickness	npd
	Resistance to humidity	SWP/3
	mechanical (i.e. resistance to sliding-creeping)	npd
	biological	npd

npd: parameter not set

Signed on behalf and in the name of the producer:

Horst Kofler
Managing Director



Olang, 04-22-2020

nordpan

RUBNER

NORDPAN GMBH-SRL
Industriezone 7 Zona Industriale
I-39030 OLANG – VALDAORA (BZ)
Mwst-Nr. 00124160219 Part. IVA
Tel. 0474 496255 – Fax 0474 498002

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*** Individually declared bending values 3-ply NORDPAN:**

Bending values in N/mm ² - Individually declared values (SD) for 3-ply panels NORDPAN GMBH										
Thickness in mm	13	16	19	22	27	32	35	42	49	60
Bending $f_{m,0}$	35	35	35	30	30	25	25	25	25	25
Bending $f_{m,90}$	7,0	7,0	7,0	7,3	6	10	10	10	10	13
Bending $E_{m,0}$	10400	10000	10200	10000	10200	9700	9300	9900	9400	9400
Bending $E_{m,90}$	650	800	800	1300	800	1500	1500	1500	1500	1500