




Declaration of Performance - No.: Nordpan-01.5-SWP/1 S

Modified 01-01-2024

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 13353:2022 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 12369-3:2022		Nominal Thickness Interval in mm				
		12-20	>20-30	>30-80		
Resistance [N/mm ²]	Vertical stress					
	Bending *	$f_{m, 0, flat}$	30	27	20	
		$f_{m, 90, flat}$	5	5	10	
	Pushing	$f_{v, 0, flat}$	1,0	1,0	1,0	
		$f_{v, 90, flat}$	1,0	1,0	1,0	
	Horizontal stress					
	Bending	$f_{m, 0, edge}$	25	18	12	
		$f_{m, 90, edge}$	12	12	12	
	Pulling	$f_{t, 0}$	12	9	6	
		$f_{t, 90}$	3	3	3	
	Pressure	$f_{c, 0}$	18	16	10	
		$f_{c, 90}$	12	10	10	
Pushing	$f_{v, 0, edge}$	4	4	2,5		
	$f_{v, 90, edge}$	4	4	2,5		
Rigidity [N/mm ²]	Vertical stress					
	Bending *	$E_{m, 0, flat}$	10000	10000	8000	
		$E_{m, 90, flat}$	650	800	1500	
	Pushing	$G_{0, flat}$	50	50	50	
		$G_{90, flat}$	50	50	50	
	Horizontal stress					
	Bending	$E_{m, 0, edge}$	6000	5000	4000	
		$E_{m, 90, edge}$	4000	4000	4000	
	Pulling	$E_{t, 0}$	6000	5000	4000	
		$E_{t, 90}$	4000	4000	4000	
	Pressure	$E_{c, 0}$	6000	3500	2500	
		$E_{c, 90}$	4000	2500	2500	
Pushing	$G_{0, edge}$	450	450	450		
	$G_{90, edge}$	450	450	450		
* 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		<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/1 in conformance with EN 13354:2008 (following immersion in cold water) <ul style="list-style-type: none"> • 0.4 ≤ fV < 0.8 N/mm² (with wood break level ≥ 40%) • 0.8 ≤ fV < 1.2 N/mm² (with wood break level ≥ 20%) • fV ≥ 1.2 N/mm² (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:			
Horst Kofler Managing Director		Olang, 01-01-2024	 NORDPAN GMBH-SRL Industriezone 7 Zona Industriale I-39030 OLANG - ALDAORA (BZ) Mwst-Nr. 00124760219 Part. IVA Tel. 0474 498255 - Fax 0474 498002

Previous versions of the performance declaration can be requested by e-mailing info@nordpan.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 $f_{m, 0, flat}$	35	35	35	30	30	25	25	25	25	25
Bending $f_{m, 90, flat}$	7,0	7,0	7,0	7,3	6	10	10	10	10	13
Bending $E_{m, 0, flat}$	10400	10000	10200	10000	10200	9700	9300	9900	9400	9400
Bending $E_{m, 90, flat}$	650	800	800	1300	800	1500	1500	1500	1500	1500



Entwicklungs- und Prüflabor Holztechnologie GmbH
Zellescher Weg 24 · 01217 Dresden · Germany
www.eph-dresden.de



accredited by Deutsche Akkreditierungsstelle GmbH (DAkkS)



European Notified Body for construction products 0766
Recognized body of DIBt SAC03



CERTIFICATE OF CONFORMITY OF THE FACTORY PRODUCTION CONTROL

0766 – CPR – 362 – 01

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product

NORDPAN Drei- und Fünfschichtplatten

Multilayer Solid Wood Panel acc. to EN 13353 as structural component

for internal use in dry conditions,

technical class SWP/1 S L3 and L5 (load bearing)

technical class SWP/1 SD L3 and L5 (load bearing, declared values)

nominal thickness range 13 to 60 mm

produced by:

**NORDPAN GmbH
Industriezone 7
39030 Valdaora – Olang
Italy**

in the manufacturing plants:

**NORDPAN GmbH; Valdaora – Olang; Italy
NORDPAN Rubner Holzbauelemente GmbH; Strassen, Austria**

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard

EN 13 986:2004+A1:2015

under system 2+ are applied and
that the factory production control fulfils all the prescribed requirements set out above.

This certificate was first issued on 12 December 2012 (EN 13986:2004) and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly.

Dresden, 16 Juni 2023

Date



i.v. D. Emmler
Dr.-Ing. Rico Emmler
Notified Certification Body




Declaration of Performance - No.: Nordpan-02.5-SWP/2 S

Modified 01-01-2024

Conforms to ordinance No. 305/2011 (BauPVo)

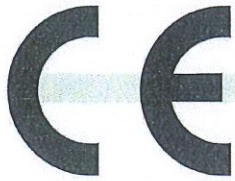
1. Product type identification code	SWP/2 S-D					
2. Product type identification marking	SWP/2 S-D (thickness interval 13-60mm), three layers (L3) or five layers (L5)					
3. Name and address of manufacturer	Nordpan GmbH, Industriezone 7, I-39030 OLANG					
4. Scope of use of construction product	Solid wood panel under the terms of EN 13353:2022 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 12369-3:2022		Nominal Thickness Interval in mm				
		12-20	>20-30	>30-80		
Resistance [N/mm ²]	Vertical stress					
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Deviation from impact as resistance under concentrated load and rigidity under concentrated load				npd		
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Fire resistance	Fire re- sistance class	Minimum thickness	End use condition			
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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
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	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:			
Horst Kofler Managing Director		Olang, 01-01-2024	 nordpan RUBNER NORDPAN GMBH SRL Industriezone / Zona Industriale I-39030 OLANG - VALDAORA (BZ) Mwst-Nr. 00124160219 Part. IVA Tel. 0474 496255 - Fax 0474 498002

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

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

Bending values in N/mm ² - Individually declared values (SD) for 3-ply panels NORDPAN GMBH										
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Bending $f_{m, 0, flat}$	35	35	35	30	30	25	25	25	25	25
Bending $f_{m, 90, flat}$	7,0	7,0	7,0	7,3	6	10	10	10	10	13
Bending $E_{m, 0, flat}$	10400	10000	10200	10000	10200	9700	9300	9900	9400	9400
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CERTIFICATE OF CONFORMITY OF THE FACTORY PRODUCTION CONTROL

0766 – CPR –363 – 01

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NORDPAN Drei- und Fünfschichtplatten

Multilayer Solid Wood Panel acc. to EN 13353 as structural component

for internal use in humid conditions,

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in the manufacturing plants:

NORDPAN GmbH; Valdaora – Olang; Italy

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EN 13 986:2004+A1:2015

under system 2+ are applied and

that the factory production control fulfils all the prescribed requirements set out above.

This certificate was first issued on 12 December 2012 (EN 13986:2004) and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly.

Dresden, 16 Juni 2023

Date



i.v. D. Emmler

Dr.-Ing. Rico Emmler
Notified Certification Body




Declaration of Performance - No.: Nordpan-03.5-SWP/3 S

Modified 01-01-2024

Conforms to ordinance No. 305/2011 (BauPVo)

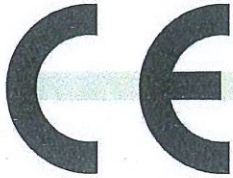
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		$E_{t, 90}$	4000	4000	4000																																																																																																																																																																					
	Pressure	$E_{c, 0}$	6000	3500	2500																																																																																																																																																																					
		$E_{c, 90}$	4000	2500	2500																																																																																																																																																																					
Pushing	$G_{0, edge}$	450	450	450																																																																																																																																																																						
	$G_{90, edge}$	450	450	450																																																																																																																																																																						
* 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		<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/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:		 NORDPAN GMBH SRL Industriezone / Zona Industriale I-39030 OLANG - VALDAORA (BZ) Mwst-Nr. 00124160219 Part. IVA Tel. 0474 496255 - Fax 0474 498002	
Horst Kofler Managing Director		Olang, 01-01-2024	

Previous versions of the performance declaration can be requested by e-mailing info@nordpan.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 $f_{m, 0, flat}$	35	35	35	30	30	25	25	25	25	25
Bending $f_{m, 90, flat}$	7,0	7,0	7,0	7,3	6	10	10	10	10	13
Bending $E_{m, 0, flat}$	10400	10000	10200	10000	10200	9700	9300	9900	9400	9400
Bending $E_{m, 90, flat}$	650	800	800	1300	800	1500	1500	1500	1500	1500



CERTIFICATE OF CONFORMITY OF THE FACTORY PRODUCTION CONTROL

0766 – CPR – 364 – 01

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product

NORDPAN Drei- und Fünfschichtplatten

**Multilayer Solid Wood Panel acc. to EN 13353 as structural component
use for external use,**

technical class SWP/3 S L3 and L5 (load bearing)

technical class SWP/3 SD L3 and L5 (load bearing, declared values)

nominal thickness range 13 to 60 mm

produced by:

**NORDPAN GmbH
Industriezone 7
39030 Valdaora - Olang
Italy**

in the manufacturing plants:

NORDPAN GmbH; Valdaora – Olang, Italy

NORDPAN Rubner Holzbauelemente GmbH; Strassen, Austria

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard

EN 13 986:2004+A1:2015

under system 2+ are applied and
that the factory production control fulfils all the prescribed requirements set out above.

This certificate was first issued on 12 Decembre 2012 (EN 13986:2004) and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly.

Dresden, 16 Juni 2023

Date



i.v. Damm
Dr.-Ing. Rico Emmler
Notified Certification Body