



DECLARATION OF PERFORMANCE No. 63

1. Unique identification code of product type:

Sandwich panel with WEE mineral wool core

nSPB100WEE	nSPB100WEEB	nSPB100WEEA
nSPB150WEE	nSPB150WEEB	nSPB150WEEA
nSPB160WEE	nSPB160WEEB	nSPB170WEEA
nSPB170WEE	nSPB170WEEB	nSPB180WEEA
nSPB180WEE	nSPB180WEEB	nSPB200WEEA
nSPB200WEE	nSPB200WEEB	nSPB150WEEA ENERGY
nSPB230WEE	nSPB230WEEB	nSPB170WEEA ENERGY
nSPB150WEE ENERGY	nSPB150WEEB ENERGY	nSPB180WEEA ENERGY
nSPB160WEE ENERGY	nSPB160WEEB ENERGY	nSPB200WEEA ENERGY
nSPB170WEE ENERGY	nSPB170WEEB ENERGY	
nSPB180WEE ENERGY	nSPB180WEEB ENERGY	
nSPB200WEE ENERGY	nSPB200WEEB ENERGY	
nSPB230WEE ENERGY	nSPB230WEEB ENERGY	

Sandwich panel with WE mineral wool core

nSPB80WE	nSPB80WEB	nSPB100WEA	nSPD120WE
nSPB100WE	nSPB100WEB	nSPB120WEA	nSPD150WE
nSPB110WE	nSPB110WEB	nSPB150WEA	nSPD170WE
nSPB120WE	nSPB120WEB	nSPB170WEA	nSPD180WE
nSPB140WE	nSPB140WEB	nSPB180WEA	nSPD200WE
nSPB150WE	nSPB150WEB	nSPB200WEA	nSPD230WE
nSPB160WE	nSPB160WEB	nSPD100WE	
nSPB170WE	nSPB170WEB	nSPB150WEA ENERGY	
nSPB180WE	nSPB180WEB	nSPB170WEA ENERGY	
nSPB200WE	nSPB200WEB	nSPB180WEA ENERGY	
nSPB210WE	nSPB210WEB	nSPB200WEA ENERGY	
nSPB230WE	nSPB230WEB		
nSPB150WE ENERGY	nSPB150WEB ENERGY		
nSPB160WE ENERGY	nSPB160WEB ENERGY		
nSPB170WE ENERGY	nSPB170WEB ENERGY		
nSPB180WE ENERGY	nSPB180WEB ENERGY		
nSPB200WE ENERGY	nSPB200WEB ENERGY		
nSPB210WE ENERGY	nSPB210WEB ENERGY		
nSPB230WE ENERGY	nSPB230WEB ENERGY		

2. Intended use: Self-supporting metal faced insulating panels for use in buildings; external walls, internal walls.
- Detailed intended use refers to the sandwich panel type – information in attachments to this declaration.
3. Manufacturer: Ruukki Polska Sp. z o.o.
ul. Jaktorowska 13, 96-300 Żyrardów, Poland
Oborniki branch
ul. Łukowska 7, 64-600 Oborniki, Poland
4. Authorized representative: not applicable
5. AVCP level: reaction to fire, fire resistance: 3; other properties: 4
- 6a. Harmonised standard: EN 14509:2013 "Self-supporting double skin metal faced insulating panels. Factory made products. Specifications"
- Notified body: Instytut Techniki Budowlanej (ITB) (1488)
FIRES S.R.O. (1396)
Eurofins Expert Services Oy (0809)
7. Declared performances: Technical product characteristics of specified product configuration are available in attachments to this Declaration of Performance.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

This Declaration of Performance is available on Ruukki web page:

<https://www.ruukki.com/building-envelopes/services-support/sandwich-panel-support/declaration-of-performance-for-sandwich-panels>

Signed for and on behalf of the manufacturer by:



Elżbieta Płaza
Certification Manager
Ruukki Construction

Helsinki, 06.07.2026

Declared technical characteristics of specified type of sandwich panels are available on the following pages:

ENERGY PANELS:

nSPB WEE Energy / nSPB WEEB Energy	Page 4
nSPB WEA Energy	Page 5
nSPB WE Energy / nSPB WEB Energy	Page 6
nSPB WEA Energy	Page 7

OTHER PANELS:

nSPB WEE / nSPB WEEB	Page 8
nSPB WEEA	Page 9
nSPB WE / nSPB WEB	Page 10
nSPB WEA	Page 11
nSPD WE	Page 12

Attachment 1 to Declaration of Performance 63

Panel type:	nSPB WEE ENERGY, nSPB WEEB ENERGY						
Reference to harmonized standard:	EN 14509:2013						
Intended use:	Internal or external walls						
Panel name:	nSPB 150 WEE ENERGY nSPB 150 WEEB ENERGY	nSPB 160 WEE ENERGY nSPB 170 WEEB ENERGY	nSPB 170 WEE ENERGY nSPB 170 WEEB ENERGY	nSPB 180 WEE ENERGY nSPB 180 WEEB ENERGY	nSPB 200 WEE ENERGY nSPB 200 WEEB ENERGY	nSPB 230 WEE ENERGY nSPB 230 WEEB ENERGY	Reference
Year when CE mark was affixed:	22	23	22				
Thickness of external facing:	0.5 - 0.7						mm (EN 10143)
External facing - steel grade:	S280GD+Z275, S280GD+Z100, S280GD+ZM140, S280GD+ZM120, S280GD+ZM100, S280GD+ZA255, S280GD+ZA095 S250GD+Z275, S250GD+Z100, S250GD+ZM140, S250GD+ZM120, S250GD+ZM100, S250GD+ZA255, S250GD+ZA095						(EN 10346)
Coating on external facing:	Polyester, GreenCoat Hiarc max, GreenCoat Pural BT Satin, GreenCoat Pural BT Metallic or other colour coating with PCS ≤ 4,0 MJ/m ²						(EN 10169)
External facing profile (module 1100 mm):	L25*, L, M, R28, R275, R550, F						
External facing profile (module 1000 mm):	L25*, L, M, R28, R250, R500, F						
Internal facing - steel grade:	0.5 - 0.7						mm (EN 10143)
Coating of internal facing:	S280GD+Z275, S280GD+Z100, S280GD+ZM140, S280GD+ZM120, S280GD+ZM100, S280GD+ZA255, S280GD+ZA095 S250GD+Z275, S250GD+Z100, S250GD+ZM140, S250GD+ZM120, S250GD+ZM100, S250GD+ZA255, S250GD+ZA095						(EN 10346)
Internal facing - steel grade:	Polyester, GreenCoat Hiarc max, GreenCoat Pural BT Satin, GreenCoat Pural BT Metallic or other colour coating with PCS ≤ 4,0 MJ/m ²						(EN 10169)
Internal facing profile:	L25*, L, F						
Core material:	MW						
Density of core material:	75						kg/m ³
Nominal panel thickness:	152	160	170	183	203	230	mm
Mass (module 1100 mm):	21.0	21.6	22.3	23.3	24.8	26.7	kg/m ²
Mass (module 1000 mm):	21.0	21.6	22.4	23.3	24.8	26.7	kg/m ²
Mechanical resistance:							
Tensile strength:	0.07	0.07	0.07	0.07	0.07	0.07	MPa
Shear strength:	0.035	0.035	0.035	0.035	0.035	0.031	MPa
Reduced long term shear strength:	NPD						MPa
Shear modulus (core):	1.05	1.05	1.05	1.05	1.05	1.05	MPa
Compressive strength (core):	0.04	0.04	0.04	0.04	0.04	0.04	MPa
Creep coefficient t=2000h:	NPD						
Creep coefficient t=100000h:	NPD						
Wrinkling strength (external face):							
- in span	85	85	85	85	85	85	MPa
- in span, elevated temperature	75	75	75	75	75	75	MPa
- at central support	52	52	52	52	52	52	MPa
- at central support, elevated temperature	46	46	46	46	46	46	MPa
Wrinkling strength (internal face):							
- in span	85	85	85	85	85	85	MPa
- at internal support	52	52	52	52	52	52	MPa
Other properties:							
Thermal transmittance, U _{A,S} :	0.25	0.23	0.22	0.20	0.18	0.16	W/m ² K
Thermal conductivity of the core, λ _{Declared} :	0.038						W/mK
Reaction to fire:	A2-s1, d0						Class (EN 13501-1)
Fire resistance (wall, horizontal):	EI 120						Class (EN 13501-2)
Fire resistance (wall, vertical):	EI 120						Class (EN 13501-2)
External fire performance:	Not applicable						
Water permeability:	A						Class (EN 12865)
Air permeability, pressure (per 1 effective m ²):	n = 0.675, C = 0.001						(EN 12114)
Air permeability, suction (per 1 effective m ²):	n = 0.273, C = 0.003						(EN 12114)
Water vapour permeability:	Impermeable						
Airborne sound insulation, R _w (C; C _w):	29 (-2; -4)						dB (EN ISO 717-1)
Sound absorption, α _w :	0.1						(EN ISO 11654)
Durability:	Pass - all colours						

* L25 profiling is not available in 0,7 mm facing

Detailed product/material specification is given on order confirmation or delivery documentation.

Attachment 2 to Declaration of Performance 63

Panel type:	nSPB WEEA ENERGY						
Reference to harmonized standard:	EN 14509:2013						
Intended use:	Internal or external walls						
Panel name:	nSPB 150 WEEA ENERGY	nSPB 170 WEEA ENERGY	nSPB 180 WEEA ENERGY	nSPB 200 WEEA ENERGY	Reference		
Year when CE mark was affixed:	25						
Thickness of external facing:	0.5 - 0.7					mm	(EN 10143)
External facing - steel grade:	S280GD+Z275, S280GD+Z100, S280GD+ZM140, S280GD+ZM120, S280GD+ZM100, S280GD+ZA255, S280GD+ZA095						(EN 10346)
Coating on external facing:	Polyester, GreenCoat Hiarc max, GreenCoat Pural BT Satin, GreenCoat Pural BT Metallic or other colour coating with PCS ≤ 4,0 MJ/m ²						(EN 10169)
External facing profile (module 1200 mm):	L25*, M, L						
Internal facing - steel grade:	0.5 - 0.7					mm	(EN 10143)
Coating of internal facing:	S280GD+Z275, S280GD+Z100, S280GD+ZM140, S280GD+ZM120, S280GD+ZM100, S280GD+ZA255, S280GD+ZA095						(EN 10346)
Internal facing - steel grade:	Polyester, GreenCoat Hiarc max, GreenCoat Pural BT Satin, GreenCoat Pural BT Metallic or other colour coating with PCS ≤ 4,0 MJ/m ²						(EN 10169)
Internal facing profile:	L25*, L						
Core material:	MW						
Density of core material:	75					kg/m ³	
Nominal panel thickness:	152	170	183	203	mm		
Mass (module 1200 mm):	20.9	22.3	23.2	24.7	kg/m ²		
Mechanical resistance:							
Tensile strength:	0.07	0.07	0.07	0.07	MPa		
Shear strength:	0.035	0.035	0.035	0.035	MPa		
Reduced long term shear strength:	NPD				MPa		
Shear modulus (core):	1.05	1.05	1.05	1.05	MPa		
Compressive strength (core):	0.04	0.04	0.04	0.04	MPa		
Creep coefficient t=2000h:	NPD						
Creep coefficient t=100000h:	NPD						
Wrinkling strength (external face):							
- in span	85	85	85	85	MPa		
- in span, elevated temperature	75	75	75	75	MPa		
- at central support	52	52	52	52	MPa		
- at central support, elevated temperature	46	46	46	46	MPa		
Wrinkling strength (internal face):							
- in span	85	85	85	85	MPa		
- at internal support	52	52	52	52	MPa		
Other properties:							
Thermal transmittance, U _{a,s} :	0.25	0.22	0.20	0.18	W/m ² K		
Thermal conductivity of the core, λ _{Declared} :	0.038				W/mK		
Reaction to fire:	A2-s1, d0				Class	(EN 13501-1)	
Fire resistance (wall, horizontal):	EI 120				Class	(EN 13501-2)	
Fire resistance (wall, vertical):	EI 120				Class	(EN 13501-2)	
External fire performance:	Not applicable						
Water permeability:	A				Class	(EN 12865)	
Air permeability, pressure (per 1 effective m ²):	n = 0.675, C = 0.001					(EN 12114)	
Air permeability, suction (per 1 effective m ²):	n = 0.273, C = 0.003					(EN 12114)	
Water vapour permeability:	Impermeable						
Airborne sound insulation, R _w (C; C _{tr}):	29 (-2; -4)				dB	(EN ISO 717-1)	
Sound absorption, α _w :	0.1					(EN ISO 11654)	
Durability:	Pass - all colours						

* L25 profiling is not available in 0,7 mm facing

Detailed product/material specification is given on order confirmation or delivery documentation.

Attachment 3 to Declaration of Performance 63

Panel type:	nSPB WE ENERGY, nSPB WEB ENERGY								
Reference to harmonized standard:	EN 14509:2013								
Intended use:	Internal or external walls								
Panel name:	nSPB 150 WE ENERGY nSPB 150 WEB ENERGY	nSPB 160 WE ENERGY nSPB 160 WEB ENERGY	nSPB 170 WE ENERGY nSPB 170 WEB ENERGY	nSPB 180 WE ENERGY nSPB 180 WEB ENERGY	nSPB 200 WE ENERGY nSPB 200 WEB ENERGY	nSPB 210 WE ENERGY nSPB 210 WEB ENERGY	nSPB 230 WE ENERGY nSPB 230 WEB ENERGY	Reference	
Year when CE mark was affixed:	22								
Thickness of external facing:	0,5 - 0,7							mm	(EN 10143)
External facing - steel grade:	S280GD+Z275, S280GD+Z100, S280GD+ZM140, S280GD+ZM120, S280GD+ZM100, S280GD+ZA255, S280GD+ZA095 S250GD+Z275, S250GD+Z100, S250GD+ZM140, S250GD+ZM120, S250GD+ZM100, S250GD+ZA255, S250GD+ZA095								(EN 10346)
Coating on external facing:	Polyester, GreenCoat Hiarc max, GreenCoat Pural BT Satin, GreenCoat Pural BT Metallic or other colour coating with PCS ≤ 4,0 MJ/m ²								(EN 10169)
External facing profile (module 1100 mm):	L25*, L, M, R28, R275, R550, F								
External facing profile (module 1000 mm):	L25*, L, M, R28, R250, R500, F								
Internal facing - steel grade:	0,5 - 0,7							mm	(EN 10143)
Coating of internal facing:	S280GD+Z275, S280GD+Z100, S280GD+ZM140, S280GD+ZM120, S280GD+ZM100, S280GD+ZA255, S280GD+ZA095 S250GD+Z275, S250GD+Z100, S250GD+ZM140, S250GD+ZM120, S250GD+ZM100, S250GD+ZA255, S250GD+ZA095								(EN 10346)
Internal facing - steel grade:	Polyester, GreenCoat Hiarc max, GreenCoat Pural BT Satin, GreenCoat Pural BT Metallic or other colour coating with PCS ≤ 4,0 MJ/m ²								(EN 10169)
Internal facing profile:	L25*, L, F								
Core material:	MW								
Density of core material:	90							kg/m ³	
Nominal panel thickness:	152	160	170	183	203	208	230	mm	
Mass (module 1100 mm):	23.2	24.0	24.9	25.8	27.6	28.3	30.1	kg/m ²	
Mass (module 1000 mm):	23.3	24.0	24.9	25.8	27.6	28.3	30.1	kg/m ²	
Mechanical resistance:									
Tensile strength:	0.08	0.08	0.08	0.08	0.07	0.07	0.07	MPa	
Shear strength:	0.055	0.055	0.055	0.055	0.05	0.05	0.044	MPa	
Reduced long term shear strength:	NPD							MPa	
Shear modulus (core):	2.5	2.5	2.5	2.5	2.5	2.5	2.5	MPa	
Compressive strength (core):	0.059	0.055	0.055	0.055	0.055	0.055	0.055	MPa	
Creep coefficient t=2000h:	NPD								
Creep coefficient t=100000h:	NPD								
Wrinkling strength (external face):									
- in span	110	110	110	110	110	105	105	MPa	
- in span, elevated temperature	104	104	104	104	104	99	99	MPa	
- at central support	72	72	72	72	72	72	72	MPa	
- at central support, elevated temperature	64	64	64	64	64	64	64	MPa	
Wrinkling strength (internal face):									
- in span	110	110	110	110	110	105	105	MPa	
- at internal support	72	72	72	72	72	72	72	MPa	
Other properties:									
Thermal transmittance, U _{A,g} :	0.26	0.24	0.23	0.22	0.19	0.19	0.17	W/m ² K	
Thermal conductivity of the core, λ _{Declared} :	0.040							W/mK	
Reaction to fire:	A2-s1, d0							Class	(EN 13501-1)
Fire resistance (wall, horizontal):	EI 180							Class	(EN 13501-2)
Fire resistance (wall, vertical):	EI 120							Class	(EN 13501-2)
External fire performance:	Not applicable								
Water permeability:	A							Class	(EN 12865)
Air permeability, pressure (per 1 effective m ²):	n = 0.675, C = 0.001								(EN 12114)
Air permeability, suction (per 1 effective m ²):	n = 0.273, C = 0.003								(EN 12114)
Water vapour permeability:	Impermeable								
Airborne sound insulation, R _w (C; C _{tr}):	29 (-2; -4) (0,5 / 0,5 mm) 29 (-2; -4) (0,6 / 0,5 mm) 30 (-2; -4) (0,6 / 0,6 mm)			29 (-2; -4) (0,5 / 0,5 mm) 30 (-2; -4) (0,6 / 0,5 mm) 31 (-2; -4) (0,6 / 0,6 mm)			dB	(EN ISO 717-1)	
Sound absorption, α _w :	0.1								(EN ISO 11654)
Durability:	Pass - all colours								

* L25 profiling is not available in 0,7 mm facing

Detailed product/material specification is given on order confirmation or delivery documentation.

Attachment 4 to Declaration of Performance 63

Panel type:	nSPB WEA ENERGY				
Reference to harmonized standard:	EN 14509:2013				
Intended use:	Internal or external walls				
Panel name:	nSPB 150 WEA ENERGY	nSPB 170 WEA ENERGY	nSPB 180 WEA ENERGY	nSPB 200 WEA ENERGY	Reference
Year when CE mark was affixed:	25				
Thickness of external facing:	0,5 - 0,7				mm (EN 10143)
External facing - steel grade:	S280GD+Z275, S280GD+Z100, S280GD+ZM140, S280GD+ZM120, S280GD+ZM100, S280GD+ZA255, S280GD+ZA095				(EN 10346)
Coating on external facing:	Polyester, GreenCoat Hiarc max, GreenCoat Pural BT Satin, GreenCoat Pural BT Metallic or other colour coating with PCS ≤ 4,0 MJ/m ²				(EN 10169)
External facing profile (module 1200 mm):	L25*, M, L				
Internal facing - steel grade:	0,5 - 0,7				mm (EN 10143)
Coating of internal facing:	S280GD+Z275, S280GD+Z100, S280GD+ZM140, S280GD+ZM120, S280GD+ZM100, S280GD+ZA255, S280GD+ZA095				(EN 10346)
Internal facing - steel grade:	Polyester, GreenCoat Hiarc max, GreenCoat Pural BT Satin, GreenCoat Pural BT Metallic or other colour coating with PCS ≤ 4,0 MJ/m ²				(EN 10169)
Internal facing profile:	L25*, L				
Core material:	MW				
Density of core material:	90				kg/m ³
Nominal panel thickness:	152	170	183	203	mm
Mass (module 1200 mm):	23.2	24.8	25.7	27.5	kg/m ²
Mechanical resistance:					
Tensile strength:	0.08	0.08	0.08	0.07	MPa
Shear strength:	0.055	0.055	0.055	0.05	MPa
Reduced long term shear strength:	NPD				MPa
Shear modulus (core):	2.5	2.5	2.5	2.5	MPa
Compressive strength (core):	0.059	0.055	0.055	0.055	MPa
Creep coefficient t=2000h:	NPD				
Creep coefficient t=100000h:	NPD				
Wrinkling strength (external face):					
- in span	110	110	110	110	MPa
- in span, elevated temperature	104	104	104	104	MPa
- at central support	72	72	72	72	MPa
- at central support, elevated temperature	64	64	64	64	MPa
Wrinkling strength (internal face):					
- in span	110	110	110	110	MPa
- at internal support	72	72	72	72	MPa
Other properties:					
Thermal transmittance, U _{ds} :	0.26	0.23	0.22	0.19	W/m ² K
Thermal conductivity of the core, λ _{declared} :	0.040				W/mK
Reaction to fire:	A2-s1, d0				Class (EN 13501-1)
Fire resistance (wall, horizontal):	EI 180				Class (EN 13501-2)
Fire resistance (wall, vertical):	EI 120				Class (EN 13501-2)
External fire performance:	Not applicable				
Water permeability:	A				Class (EN 12865)
Air permeability, pressure (per 1 effective m ²):	n = 0.675, C = 0.001				(EN 12114)
Air permeability, suction (per 1 effective m ²):	n = 0.273, C = 0.003				(EN 12114)
Water vapour permeability:	Impermeable				
Airborne sound insulation, R _w (C; C _{tr}):	29 (-2; -4) (0,5 / 0,5 mm) 29 (-2; -4) (0,6 / 0,5 mm) 30 (-2; -4) (0,6 / 0,6 mm)		29 (-2; -4) (0,5 / 0,5 mm) 30 (-2; -4) (0,6 / 0,5 mm) 31 (-2; -4) (0,6 / 0,6 mm)		dB (EN ISO 717-1)
Sound absorption, α _w :	0.1				(EN ISO 11654)
Durability:	Pass - all colours				

* L25 profiling is not available in 0,7 mm facing

Detailed product/material specification is given on order confirmation or delivery documentation.

Attachment 5 to Declaration of Performance 63

Panel type:	nSPB WEE, nSPB WEEB							
Reference to harmonized standard:	EN 14509:2013							
Intended use:	Internal or external walls							
Panel name:	nSPB 100 WEE nSPB 100 WEEB	nSPB 150 WEE nSPB 150 WEEB	nSPB 160 WEE nSPB 160 WEEB	nSPB 170 WEE nSPB 170 WEEB	nSPB 180 WEE nSPB 180 WEEB	nSPB 200 WEE nSPB 200 WEEB	nSPB 230 WEE nSPB 230 WEEB	Reference
Year when CE mark was affixed:	25	22	23	22				
Thickness of external facing:	0,5 - 0,7							mm (EN 10143)
External facing - steel grade:	S280GD+Z275, S280GD+Z100, S280GD+ZM140, S280GD+ZM120, S280GD+ZM100, S280GD+ZA255, S280GD+ZA095 S250GD+Z275, S250GD+Z100, S250GD+ZM140, S250GD+ZM120, S250GD+ZM100, S250GD+ZA255, S250GD+ZA095							(EN 10346)
Coating on external facing:	Polyester, GreenCoat Hiarc max, GreenCoat Pural BT Satin, GreenCoat Pural BT Metallic or other colour coating with PCS ≤ 4,0 MJ/m ²							(EN 10169)
External facing profile (module 1100 mm):	L25*, L, M, R28, R275, R550, F							
External facing profile (module 1000 mm):	L25*, L, M, R28, R250, R500, F							
Internal facing - steel grade:	0,5 - 0,7							mm (EN 10143)
Coating of internal facing:	S280GD+Z275, S280GD+Z100, S280GD+ZM140, S280GD+ZM120, S280GD+ZM100, S280GD+ZA255, S280GD+ZA095 S250GD+Z275, S250GD+Z100, S250GD+ZM140, S250GD+ZM120, S250GD+ZM100, S250GD+ZA255, S250GD+ZA095							(EN 10346)
Internal facing - steel grade:	Polyester, GreenCoat Hiarc max, GreenCoat Pural BT Satin, GreenCoat Pural BT Metallic or other colour coating with PCS ≤ 4,0 MJ/m ²							(EN 10169)
Internal facing profile:	L25*, L, F							
Core material:	MW							
Density of core material:	75							kg/m ³
Nominal panel thickness:	100	152	160	170	183	203	230	mm
Mass (module 1100 mm):	17.9	21.0	21.6	22.3	23.3	24.8	26.7	kg/m ²
Mass (module 1000 mm):	17.9	21.0	21.6	22.4	23.3	24.8	26.7	kg/m ²
Mechanical resistance:								
Tensile strength:	0.07	0.07	0.07	0.07	0.07	0.07	0.07	MPa
Shear strength:	0.04	0.035	0.035	0.035	0.035	0.035	0.031	MPa
Reduced long term shear strength:	NPD							MPa
Shear modulus (core):	1.05	1.05	1.05	1.05	1.05	1.05	1.05	MPa
Compressive strength (core):	0.04	0.04	0.04	0.04	0.04	0.04	0.04	MPa
Creep coefficient t=2000h:	NPD							
Creep coefficient t=100000h:	NPD							
Wrinkling strength (external face):								
- in span	85	85	85	85	85	85	85	MPa
- in span, elevated temperature	75	75	75	75	75	75	75	MPa
- at central support	52	52	52	52	52	52	52	MPa
- at central support, elevated temperature	46	46	46	46	46	46	46	MPa
Wrinkling strength (internal face):								
- in span	85	85	85	85	85	85	85	MPa
- at internal support	52	52	52	52	52	52	52	MPa
Other properties:								
Thermal transmittance, U _{ds} :	0.37	0.25	0.23	0.22	0.20	0.18	0.16	W/m ² K
Thermal conductivity of the core, λ _{declared} :	0.038							W/mK
Reaction to fire:	A2-s1, d0							Class (EN 13501-1)
Fire resistance (wall, horizontal):	EI 60	EI 120						Class (EN 13501-2)
Fire resistance (wall, vertical):	EI 60	EI 120						Class (EN 13501-2)
External fire performance:	Not applicable							
Water permeability:	A							Class (EN 12865)
Air permeability, pressure (per 1m ³), panels with gasket:	NPD	n = 0.675, C = 0.001						(EN 12114)
Air permeability, suction (per 1m ³), panels with gasket:	NPD	n = 0.273, C = 0.003						(EN 12114)
Air permeability, panels without gasket:	NPD							
Water vapour permeability:	Impermeable							
Airborne sound insulation, R _w (C; C ₅₀):	29 (-2; -4)							dB (EN ISO 717-1)
Sound absorption, α _w :	0.1							(EN ISO 11654)
Durability:	Pass - all colours							

* L25 profiling is not available in 0,7 mm facing

Detailed product/material specification is given on order confirmation or delivery documentation.

Attachment 6 to Declaration of Performance 63

Panel type:	nSPB WEEA						
Reference to harmonized standard:	EN 14509:2013						
Intended use:	Internal or external walls						
Panel name:	nSPB 100 WEEA	nSPB 150 WEEA	nSPB 170 WEEA	nSPB 180 WEEA	nSPB 200 WEEA	Reference	
Year when CE mark was affixed:	25						
Thickness of external facing:	0.5 - 0.6					mm	(EN 10143)
External facing - steel grade:	S280GD+Z275, S280GD+Z100, S280GD+ZM140, S280GD+ZM120, S280GD+ZM100, S280GD+ZA255, S280GD+ZA095						(EN 10346)
Coating on external facing:	Polyester, GreenCoat Hiarc max, GreenCoat Pural BT Satin, GreenCoat Pural BT Metallic or other colour coating with PCS ≤ 4,0 MJ/m ²						(EN 10169)
External facing profile (module 1200 mm):	L25*, M, L						
Internal facing - steel grade:	0.5 - 0.6					mm	(EN 10143)
Coating of internal facing:	S280GD+Z275, S280GD+Z100, S280GD+ZM140, S280GD+ZM120, S280GD+ZM100, S280GD+ZA255, S280GD+ZA095						(EN 10346)
Internal facing - steel grade:	Polyester, GreenCoat Hiarc max, GreenCoat Pural BT Satin, GreenCoat Pural BT Metallic or other colour coating with PCS ≤ 4,0 MJ/m ²						(EN 10169)
Internal facing profile:	L25*, L						
Core material:	MW						
Density of core material:	75					kg/m ³	
Nominal panel thickness:	100	152	170	183	203	mm	
Mass (module 1200 mm):	17.9	20.9	22.3	23.2	24.7	kg/m ²	
Mechanical resistance:							
Tensile strength:	0.07	0.07	0.07	0.07	0.07	MPa	
Shear strength:	0.04	0.035	0.035	0.035	0.035	MPa	
Reduced long term shear strength:	NPD					MPa	
Shear modulus (core):	1.05	1.05	1.05	1.05	1.05	MPa	
Compressive strength (core):	0.04	0.04	0.04	0.04	0.04	MPa	
Creep coefficient t=2000h:	NPD						
Creep coefficient t=100000h:	NPD						
Wrinkling strength (external face):							
- in span	85	85	85	85	85	MPa	
- in span, elevated temperature	75	75	75	75	75	MPa	
- at central support	52	52	52	52	52	MPa	
- at central support, elevated temperature	46	46	46	46	46	MPa	
Wrinkling strength (internal face):							
- in span	85	85	85	85	85	MPa	
- at internal support	52	52	52	52	52	MPa	
Other properties:							
Thermal transmittance, U _{g,s} :	0.37	0.25	0.22	0.20	0.18	W/m ² K	
Thermal conductivity of the core, λ _{declared} :	0.038					W/mK	
Reaction to fire:	A2-s1, d0					Class	(EN 13501-1)
Fire resistance (wall, horizontal):	EI 60	EI 120				Class	(EN 13501-2)
Fire resistance (wall, vertical):	EI 60	EI 120				Class	(EN 13501-2)
External fire performance:	Not applicable						
Water permeability:	A					Class	(EN 12865)
Air permeability, pressure (per 1m ³), panels with gasket:	NPD	n = 0.675, C = 0.001					(EN 12114)
Air permeability, suction (per 1m ³), panels with gasket:	NPD	n = 0.273, C = 0.003					(EN 12114)
Air permeability, panels without gasket:	NPD						
Water vapour permeability:	Impermeable						
Airborne sound insulation, R _w (C; C _p):	29 (-2; -4)					dB	(EN ISO 717-1)
Sound absorption, α _w :	0.1						(EN ISO 11654)
Durability:	Pass - all colours						

* L25 profiling is not available in 0,7 mm facing

Detailed product/material specification is given on order confirmation or delivery documentation.

Attachment 7 to Declaration of Performance 63

Panel type:	nSPB WE, nSPB WEB														
Reference to harmonized standard:	EN 14509:2013														
Intended use:	Internal or external walls														
Panel name:	nSPB 80 WE nSPB 80 WEB	nSPB 100 WE nSPB 100 WEB	nSPB 110 WE nSPB 110 WEB	nSPB 120 WE nSPB 120 WEB	nSPB 140 WE nSPB 140 WEB	nSPB 150 WE nSPB 150 WEB	nSPB 160 WE nSPB 160 WEB	nSPB 170 WE nSPB 170 WEB	nSPB 180 WE nSPB 180 WEB	nSPB 200 WE nSPB 200 WEB	nSPB 210 WE nSPB 210 WEB	nSPB 230 WE nSPB 230 WEB	Reference		
Year when CE mark was affixed:	22														
Thickness of external facing:	0.5 - 0.7												mm	(EN 10143)	
External facing - steel grade:	S280GD+Z275, S280GD+Z100, S280GD+ZM140, S280GD+ZM120, S280GD+ZM100, S280GD+ZA255, S280GD+ZA095 S250GD+Z275, S250GD+Z100, S250GD+ZM140, S250GD+ZM120, S250GD+ZM100, S250GD+ZA255, S250GD+ZA095													(EN 10346)	
Coating on external facing:	Polyester, GreenCoat Hiarc max, GreenCoat Pural BT Satin, GreenCoat Pural BT Metallic or other colour coating with PCS ≤ 4.0 MJ/m ²													(EN 10169)	
External facing profile (module 1100 mm):	L25*, L, M, R28, R275, R550, F														
External facing profile (module 1000 mm):	L25*, L, M, R28, R250, R500, F														
Internal facing - steel grade:	0.5 - 0.7												mm	(EN 10143)	
Coating of internal facing:	S280GD+Z275, S280GD+Z100, S280GD+ZM140, S280GD+ZM120, S280GD+ZM100, S280GD+ZA255, S280GD+ZA095 S250GD+Z275, S250GD+Z100, S250GD+ZM140, S250GD+ZM120, S250GD+ZM100, S250GD+ZA255, S250GD+ZA095													(EN 10346)	
Internal facing - steel grade:	Polyester, GreenCoat Hiarc max, GreenCoat Pural BT Satin, GreenCoat Pural BT Metallic or other colour coating with PCS ≤ 4.0 MJ/m ²													(EN 10169)	
Internal facing profile:	L25*, L, F														
Core material:	MW														
Density of core material:	125						90						kg/m ³		
Nominal panel thickness:	80	100	110	120	140	152	160	170	183	203	208	230	mm		
Mass (module 1100 mm):	19.6	18.6	19.5	20.4	22.2	23.2	24.0	24.9	25.8	27.6	28.3	30.1	kg/m ²		
Mass (module 1000 mm):	19.6	18.6	19.5	20.4	22.2	23.3	24.0	24.9	25.8	27.6	28.3	30.1	kg/m ²		
Mechanical resistance:															
Tensile strength:	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	MPa		
Shear strength:	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.055	0.05	0.05	0.044	MPa		
Reduced long term shear strength:	NPD												MPa		
Shear modulus (core):	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	MPa		
Compressive strength (core):	0.06	0.06	0.06	0.06	0.059	0.059	0.055	0.055	0.055	0.055	0.055	0.055	MPa		
Creep coefficient t=2000h:	NPD														
Creep coefficient t=100000h:	NPD														
Wrinkling strength (external face):															
- in span	110	110	110	110	110	110	110	110	110	110	105	105	MPa		
- in span, elevated temperature	104	104	104	104	104	104	104	104	104	104	99	99	MPa		
- at central support	72	72	72	72	72	72	72	72	72	72	72	72	MPa		
- at central support, elevated temperature	64	64	64	64	64	64	64	64	64	64	64	64	MPa		
Wrinkling strength (internal face):															
- in span	110	110	110	110	110	110	110	110	110	110	105	105	MPa		
- at internal support	72	72	72	72	72	72	72	72	72	72	72	72	MPa		
Other properties:															
Thermal transmittance, U _{L,t} :	0.54	0.38	0.36	0.32	0.28	0.26	0.24	0.23	0.22	0.19	0.19	0.17	W/m ² K		
Thermal conductivity of the core, λ _{0,declared} :	0.045	0.040											W/mK		
Reaction to fire:	A2-s1, d0												Class	(EN 13501-1)	
Fire resistance (wall, horizontal):	NPD	EI 90					EI 180						Class	(EN 13501-2)	
Fire resistance (wall, vertical):	NPD	EI 90					EI 120						Class	(EN 13501-2)	
External fire performance:	Not applicable														
Water permeability:	A												Class	(EN 12865)	
Air permeability, pressure (per 1m ³), panels with gasket:	NPD					n = 0.675, C = 0.001							(EN 12114)		
Air permeability, suction (per 1m ³), panels with gasket:	NPD					n = 0.273, C = 0.003							(EN 12114)		
Air permeability, panels without gasket:	NPD														
Water vapour permeability:	Impermeable														
Airborne sound insulation, R _w (C; C _p):	29 (-2; -4)					29 (-2; -4) (0.5 / 0.5 mm) 29 (-2; -4) (0.6 / 0.5 mm) 30 (-2; -4) (0.6 / 0.6 mm)					29 (-2; -4) (0.5 / 0.5 mm) 30 (-2; -4) (0.6 / 0.5 mm) 31 (-2; -4) (0.6 / 0.6 mm)			dB	(EN ISO 717-1)
Sound absorption, α _w :	0.1													(EN ISO 11654)	
Durability:	Pass - all colours														

* L25 profiling is not available in 0.7 mm facing

Detailed product/material specification is given on order confirmation or delivery documentation.

Attachment 8 to Declaration of Performance 63

Panel type:	nSPB WEA								
Reference to harmonized standard:	EN 14509:2013								
Intended use:	Internal or external walls								
Panel name:	nSPB 100 WEA	nSPB 120 WEA	nSPB 150 WEA	nSPB 170 WEA	nSPB 180 WEA	nSPB 200 WEA	Reference		
Year when CE mark was affixed:	25								
Thickness of external facing:	0,5 - 0,7						mm	(EN 10143)	
External facing - steel grade:	S280GD+Z275, S280GD+Z100, S280GD+ZM140, S280GD+ZM120, S280GD+ZM100, S280GD+ZA255, S280GD+ZA095							(EN 10346)	
Coating on external facing:	Polyester, GreenCoat Hiarc max, GreenCoat Pural BT Satin, GreenCoat Pural BT Metallic or other colour coating with PCS ≤ 4,0 MJ/m ²							(EN 10169)	
External facing profile (module 1200 mm):	L25*, M, L								
Internal facing - steel grade:	0,5 - 0,7						mm	(EN 10143)	
Coating of internal facing:	S280GD+Z275, S280GD+Z100, S280GD+ZM140, S280GD+ZM120, S280GD+ZM100, S280GD+ZA255, S280GD+ZA095							(EN 10346)	
Internal facing - steel grade:	Polyester, GreenCoat Hiarc max, GreenCoat Pural BT Satin, GreenCoat Pural BT Metallic or other colour coating with PCS ≤ 4,0 MJ/m ²							(EN 10169)	
Internal facing profile:	L25*, L								
Core material:	MW								
Density of core material:	90						kg/m ³		
Nominal panel thickness:	100	120	152	170	183	203	mm		
Mass (module 1200 mm):	19.3	21.1	24.0	25.6	26.5	28.3	kg/m ²		
Mechanical resistance:									
Tensile strength:	0.08	0.08	0.08	0.08	0.08	0.07	MPa		
Shear strength:	0.055	0.055	0.055	0.055	0.055	0.05	MPa		
Reduced long term shear strength:	NPD						MPa		
Shear modulus (core):	2.5	2.5	2.5	2.5	2.5	2.5	MPa		
Compressive strength (core):	0.06	0.06	0.059	0.055	0.055	0.055	MPa		
Creep coefficient t=2000h:	NPD								
Creep coefficient t=10000h:	NPD								
Wrinkling strength (external face):									
- in span	110	110	110	110	110	110	MPa		
- in span, elevated temperature	104	104	104	104	104	104	MPa		
- at central support	72	72	72	72	72	72	MPa		
- at central support, elevated temperature	64	64	64	64	64	64	MPa		
Wrinkling strength (internal face):									
- in span	110	110	110	110	110	110	MPa		
- at internal support	72	72	72	72	72	72	MPa		
Other properties:									
Thermal transmittance, U _{A,s} :	0.38	0.32	0.26	0.23	0.22	0.19	W/m ² K		
Thermal conductivity of the core, λ _{declared} :	0.040						W/mK		
Reaction to fire:	A2-s1, d0						Class	(EN 13501-1)	
Fire resistance (wall, horizontal):	EI 180						Class	(EN 13501-2)	
Fire resistance (wall, vertical):	EI 120						Class	(EN 13501-2)	
External fire performance:	Not applicable								
Water permeability:	A						Class	(EN 12865)	
Air permeability, pressure (per 1m ³), panels with gasket:	NPD		n = 0.675, C = 0.001					(EN 12114)	
Air permeability, suction (per 1m ³), panels with gasket:	NPD		n = 0.273, C = 0.003					(EN 12114)	
Air permeability, panels without gasket:	NPD								
Water vapour permeability:	Impermeable								
Airborne sound insulation, R _w (C; C ₂):	29 (-2; -4)		29 (-2; -4) (0.5 / 0.5 mm) 29 (-2; -4) (0.6 / 0.5 mm) 30 (-2; -4) (0.6 / 0.6 mm)		29 (-2; -4) (0.5 / 0.5 mm) 30 (-2; -4) (0.6 / 0.5 mm) 31 (-2; -4) (0.6 / 0.6 mm)		dB	(EN ISO 717-1)	
Sound absorption, α _w :	0.1							(EN ISO 11654)	
Durability:	Pass - all colours								

* L25 profiling is not available in 0,7 mm facing

Detailed product/material specification is given on order confirmation or delivery documentation.

Attachment 9 to Declaration of Performance 63

Panel type:	nSPD WE								
Reference to harmonized standard:	EN 14509:2013								
Intended use:	Internal or external walls								
Panel name:	nSPD100WE	nSPD120WE	nSPD150WE	nSPD170WE	nSPD180WE	nSPD200WE	nSPD230WE	Reference	
Year when CE mark was affixed:	23								
Thickness of external facing:	0.6 - 0.7							mm	(EN 10143)
External facing - steel grade:	S280GD+Z275, S280GD+Z100, S280GD+ZM140, S280GD+ZM120, S280GD+ZM100, S280GD+ZA255, S280GD+ZA095 S250GD+Z275, S250GD+Z100, S250GD+ZM140, S250GD+ZM120, S250GD+ZM100, S250GD+ZA255, S250GD+ZA095								(EN 10346)
Coating of external facing:	Polyester, GreenCoat Hiarc max, GreenCoat Pural BT Satin, GreenCoat Pural BT Metallic or other colour coating with PCS ≤ 4,0 MJ/m ²								(EN 10169)
External facing profile:	L, M, R250, R500, F								
Thickness of internal facing:	0.5 - 0.6							mm	(EN 10143)
Internal facing - steel grade:	S280GD+Z275, S280GD+Z100, S280GD+ZM140, S280GD+ZM120, S280GD+ZM100, S280GD+ZA255, S280GD+ZA095 S250GD+Z275, S250GD+Z100, S250GD+ZM140, S250GD+ZM120, S250GD+ZM100, S250GD+ZA255, S250GD+ZA095								(EN 10346)
Coating of internal facing:	Polyester, GreenCoat Hiarc max, GreenCoat Pural BT Satin, GreenCoat Pural BT Metallic or other colour coating with PCS ≤ 4,0 MJ/m ²								(EN 10169)
Internal facing profile:	L25, L, F								
Core material:	MW								
Density of core material:	90							kg/m ³	
Nominal panel thickness:	100	120	152	170	183	203	230	mm	
Mass:	19.1	20.9	23.8	25.4	26.3	28.1	30.6	kg/m ²	
Mechanical resistance:									
Tensile strength:	0.08	0.08	0.08	0.08	0.07	0.07	0.07	MPa	
Shear strength:	0.055	0.055	0.055	0.055	0.05	0.05	0.04	MPa	
Reduced long term shear strength:	NPD							MPa	
Shear modulus (core):	2.5	2.5	2.5	2.5	2.5	2.5	2.5	MPa	
Compressive strength (core):	0.06	0.06	0.055	0.055	0.055	0.055	0.055	MPa	
Creep coefficient t=2000h:	NPD								
Creep coefficient t=100000h:	NPD								
Wrinkling strength (external face) at profiling M, L:									
- in span	110	110	110	110	110	110	110	MPa	
- in span, elevated temperature	104	104	104	104	104	104	104	MPa	
- at central support	72	72	72	72	72	72	72	MPa	
- at central support, elevated temperature	64	64	64	64	64	64	64	MPa	
Wrinkling strength (external face) at profiling R250, R500, F:									
- in span	110	110	110	110	110	110	110	MPa	
- in span, elevated temperature	104	104	104	104	104	104	104	MPa	
- at central support	65	65	65	65	65	65	65	MPa	
- at central support, elevated temperature	58	58	58	58	58	58	58	MPa	
Wrinkling strength (internal face) at profiling L25, L:									
- in span	110	110	110	110	110	110	110	MPa	
- at internal support	78	78	78	78	78	78	68	MPa	
Wrinkling strength (internal face) at profiling F:									
- in span	110	110	110	110	110	110	110	MPa	
- at internal support	59	59	59	59	59	59	59	MPa	
Other properties:									
Thermal transmittance, U _{g,s} :	0.39	0.32	0.27	0.23	0.22	0.20	0.17	W/m ² K	
Thermal conductivity of the core, λ _{Declared} :	0.040							W/mK	
Reaction to fire:	A2-s1, d0							Class	(EN 13501-1)
Fire resistance (wall, horizontal):	NPD								
Fire resistance (wall, vertical):	EI 30 (I→O) EI 60 (O→I)		EI 60 (I→O) EI 180 (O→I)					Class	(EN 13501-2)
External fire performance:	Not applicable								
Water permeability:	A							Class	(EN 12865)
Air permeability:	NPD								
Water vapour permeability:	Impermeable								
Airborne sound insulation, R _w (C; C _w):	29 (-2; -4)							dB	(EN ISO 717-1)
Sound absorption, α _w :	0.1								(EN ISO 11654)
Durability:	Pass - all colours								

Detailed product/material specification is given on order confirmation or delivery documentation.