



DECLARATION OF PERFORMANCE No. 12/LBS/VIM

1. Unique identification code of product-type:

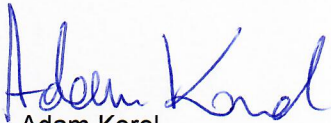
Load bearing products: trapezoidal sheets, light weight purlins, thermo purlins

Load bearing trapezoidal sheets	
Load bearing sheet T45-30L-905	Load bearing sheet T70-57L-1058
Load bearing sheet T45-30LW-905	Load bearing sheet T130M-75L-930
Load bearing sheet T45-30L-905 arched	Load bearing sheet T153-40L-840
Load bearing sheet T70-57L-846	Composite profile CS48-36-750
Light weight purlins LP-Z, LP-C	
Light weight purlin LP-Z100	Light weight purlin LP-C100
Light weight purlin LP-Z120	Light weight purlin LP-C120
Light weight purlin LP-Z150	Light weight purlin LP-C150
Light weight purlin LP-Z200	Light weight purlin LP-C200
Light weight purlin LP-Z250	Light weight purlin LP-C250
Light weight purlin LP-Z300	Light weight purlin LP-C300
Light weight purlin LP-Z350	Light weight purlin LP-C350
Light weight purlins LP-H	
Light weight purlin LP-H100	
Light weight purlin LP-H125	
Light weight purlin LP-H150	
Light weight purlin LP-H200	
Light weight purlin LP-H250	
Light weight purlins LP-U	
Light weight purlin LP-U100	Light weight purlin LP-U204
Light weight purlin LP-U104	Light weight purlin LP-U250
Light weight purlin LP-U150	Light weight purlin LP-U254
Light weight purlin LP-U154	Light weight purlin LP-U300
Light weight purlin LP-U200	Light weight purlin LP-U304
Thermo purlins LPT-Z, LPT-C	
Thermo purlin LPT-Z150	Thermo purlin LPT-C150
Thermo purlin LPT-Z175	Thermo purlin LPT-C175
Thermo purlin LPT-Z200	Thermo purlin LPT-C200
Thermo purlin LPT-Z225	Thermo purlin LPT-C225
Thermo purlin LPT-Z250	Thermo purlin LPT-C250
Thermo purlins LPT-U	
Thermo purlin LPT-U150	Thermo purlin LPT-U204
Thermo purlin LPT-U154	Thermo purlin LPT-U229
Thermo purlin LPT-U175	Thermo purlin LPT-U250
Thermo purlin LPT-U179	Thermo purlin LPT-U254
Thermo purlin LPT-U200	Thermo purlin LPT-UL65
Other purlins	
Light weight purlin LP-L50	Cast seam flashing LP-CSF100
Light weight purlin LP-L70	Cast seam flashing LP-CSF120
Light weight purlin LP-L100	Cast seam flashing LP-CSF150
Kantbalk KTB-T70	Cast seam flashing LP-CSF150R
Kantbalk KTB-T130	Cast seam flashing LP-CSF200
Kantbalk KTB-T153	Cast seam flashing LP-CSF200R
Ventilating steel batten RA5453700	

2. Intended use: Cold-formed products for roof, ceiling, floor or wall applications
3. Manufacturer: Ruukki Construction Oy
Kalkkimäentie 1, FI – 62800 Vimpeli
Finland
4. Authorized representative: Not applicable
5. AVCP level: all properties: 2+
- 6a. Harmonised standard: EN 1090-1:2009+A1:2011 "Execution of steel structures and aluminium structures. Requirements for conformity assessment of structural components"
- Notified body: Inspecta Sertifiointi Oy (0416)
Certificate of Factory Production Control 0416-CPR-6568-04
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.

Signed for and on behalf of the manufacturer by:



Adam Korol
Senior Vice President
Building Components

Helsinki 31.01.2019

Attachment No. 1 to Declaration of Performance 12/LBS/VIM Load bearing sheets (steel)

Manufacturer: Ruukki Construction Oy
 Kalkkimäentie 1, FI – 62800 Vimpeli,
 Finland

Product	Load bearing sheet	Load bearing sheet	Load bearing sheet	Load bearing sheet	Composite profile
Declared value	T45-30L-905 T45-30LW-905 T45-30L-905 arched	T70-57L-846 T70-57L-1058	T130M-75L-930	T153-40L-840	CS48-36-750
Year when CE mark was affixed:	12	12	16	12	12
Material grades:	S280GD+Z275 S350GD+Z275	S280GD+Z275 S280GD+Z100 S350GD+Z275 S350GD+Z100 S420GD+Z275 S420GD+Z100	S350GD+Z275 S350GD+Z100 S420GD+Z275 S420GD+Z100	S350GD+Z275 S350GD+Z100 S420GD+Z275 S420GD+Z100	S350GD+Z275
Material thicknesses (mm):	0,60; 0,70 0,80; 0,90	0,70; 0,80 0,90; 1,00	0,65; 0,70; 0,80 0,90; 1,00; 1,20 1,50	0,70; 0,80; 0,90 1,00; 1,20; 1,50	0,70; 0,90; 1,10
Durability:	Materials according to EN 10346: 2015: Plain galvanized Z275 Materials according to EN 10169: 2010 + A1: 2012: Polyester 15 µm Polyester 25 µm Pural BT 50 µm Pural BT matt 50 µm				
Structural characteristics:	Load bearing capacity: NPD Deformation at serviceability limit state: NPD				
Tolerances on dimension and shape:	EN 1090-4: 2018				
Weldability:	NPD				
Fracture toughness, Impact resistance:	NPD				
Fatigue strength:	NPD				
Resistance to fire:	NPD				
Reaction to fire:	Plain galvanized Z275: A1 (CWFT), Polyester 15 µm: A1 (CWFT), Polyester 25 µm: A1, Pural BT 50 µm: A2-s1, d0, Pural BT matt 50 µm: A2-s1, d0				
Release of cadmium and its compounds:	NPD				
Emission of radioactivity:	NPD				
Component specification:	Material: EN 10346: 2015, tolerances acc. to EN 10143: 2006, (S) tolerances Design: NPD Manufacturing: according to product drawing published on: https://www.ruukki.com/b2b/support/document-library/load-bearing-sheet-documents and EN 1090-4: 2018, Execution class EXC3				

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

Attachment No. 2 to Declaration of Performance 12/LBS/VIM Load bearing sheets (aluminium)

Manufacturer: Ruukki Construction Oy
Kalkkimäentie 1, FI – 62800 Vimpeli,
Finland

Product Declared Value	Load bearing sheet T45-30L-905 T45-30LW-905 T45-30L-905 arched	Load bearing sheet T70-57L-846 T70-57L-1058	Load bearing sheet T130M-75L-930	Load bearing sheet T153-40L-840
Year when CE mark was affixed:	19	19	19	19
Material grades:	EN AW-3004 EN AW-3005 EN AW-3103 EN AW-5005 EN AW-5754	EN AW-3004 EN AW-3005 EN AW-3103 EN AW-5005 EN AW-5754	EN AW-3004 EN AW-3005 EN AW-3103 EN AW-5005 EN AW-5754	EN AW-3004 EN AW-3005 EN AW-3103 EN AW-5005 EN AW-5754
Material thicknesses (mm):	0,70; 0,80 0,90; 1,00	0,70; 0,80 0,90; 1,00	0,70; 0,80 0,90; 1,00	0,70; 0,80 0,90; 1,00
Durability:	Materials according to EN 508-2: 2008: Plain aluminium Polyester 25 µm			
Structural characteristics:	Load bearing capacity: NPD Deformation at serviceability limit state: NPD			
Tolerances on dimension and shape:	EN 1090-5: 2017			
Weldability:	NPD			
Fracture toughness, Impact resistance:	NPD			
Fatigue strength:	NPD			
Resistance to fire:	NPD			
Reaction to fire:	Plain aluminium: A1 (CWFT) Polyester 25 µm: NPD			
Release of cadmium and its compounds:	NPD			
Emission of radioactivity:	NPD			
Component specification:	Material: EN 508-2: 2008, tolerances acc. to EN 485-4: 1993 Design: NPD Manufacturing: according to product drawing published on: https://www.ruukki.com/b2b/support/document-library/load-bearing-sheet-documents and EN 1090-5: 2017, Execution class EXC3			

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

Attachment No. 3 to Declaration of Performance 12/LBS/VIM Light weight purlins

Manufacturer: Ruukki Construction Oy
Kalkkimäentie 1, FI – 62800 Vimpeli,
Finland

Product	Light weight purlins	Light weight purlins	Light weight purlins	Light weight purlins
Declared value	LP-Z100 LP-Z120 LP-Z150 LP-Z200 LP-Z250 LP-Z300 LP-Z350	LP-C100 LP-C120 LP-C150 LP-C200 LP-C250 LP-C300 LP-C350	LP-H100 LP-H125 LP-H150 LP-H200 LP-H250	LP-U100 LP-U104 LP-U150 LP-U154 LP-U200 LP-U204 LP-U250 LP-U254 LP-U300 LP-U304
Year when CE mark was affixed:	13	13	13	16
Material grades:	S350GD+Z275	S350GD+Z275	S350GD+Z275	S350GD+Z275
Material thicknesses (mm):	1,0; 1,2; 1,5 2,0; 2,5; 3,0	1,0; 1,2; 1,5 2,0; 2,5; 3,0	1,0; 1,2; 1,5 2,0; 2,5	1,0; 1,2; 1,5 2,0; 2,5; 3,0
Durability:	Materials according to EN 10346: 2015: Plain galvanized Z275			
Structural characteristics:	Load bearing capacity: NPD Deformation at serviceability limit state: NPD			
Tolerances on dimension and shape:	EN 1090-4: 2018			
Weldability:	NPD			
Fracture toughness, Impact resistance:	NPD			
Fatigue strength:	NPD			
Resistance to fire:	NPD			
Reaction to fire:	Plain galvanized Z275: A1 (CWFT)			
Release of cadmium and its compounds:	NPD			
Emission of radioactivity:	NPD			
Component specification:	Material: EN 10346: 2015, tolerances acc. to EN 10143: 2006, (S) tolerances Design: NPD Manufacturing: according to product drawing published on: https://www.ruukki.com/b2b/products/load-bearing-profiles/lightweight-purlins and EN 1090-4: 2018, Execution class EXC3			

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

Attachment No. 4 to Declaration of Performance 12/LBS/VIM Thermo purlins

Manufacturer: Ruukki Construction Oy
Kalkkimäentie 1, FI – 62800 Vimpeli,
Finland

Product	Thermo purlins			
	Thermo purlins	Thermo purlins	Thermo purlins	Thermo purlins
Declared value	LPT-Z150 LPT-Z175 LPT-Z200 LPT-Z225 LPT-Z250	LPT-C150 LPT-C175 LPT-C200 LPT-C225 LPT-C250	LPT-U150 LPT-U154 LPT-U175 LPT-U179 LPT-U200 LPT-U204 LPT-U229 LPT-U250 LPT-U254	LP-UL65
Year when CE mark was affixed:	13	13	13	14
Material grades:	S350GD+Z275	S350GD+Z275	S350GD+Z275	S350GD+Z275
Material thicknesses (mm):	1,0; 1,2 1,5; 2,0	1,0; 1,2 1,5; 2,0	1,0; 1,2 1,5; 2,0	1,0; 1,2 1,5; 2,0
Durability:	Materials according to EN 10346: 2015: Plain galvanized Z275			
Structural characteristics:	Load bearing capacity: NPD Deformation at serviceability limit state: NPD			
Tolerances on dimension and shape:	EN 1090-4: 2018			
Weldability:	NPD			
Fracture toughness, Impact resistance:	NPD			
Fatigue strength:	NPD			
Resistance to fire:	NPD			
Reaction to fire:	Plain galvanized Z275: A1 (CWFT)			
Release of cadmium and its compounds:	NPD			
Emission of radioactivity:	NPD			
Component specification:	Material: EN 10346: 2015, tolerances acc. to EN 10143: 2006, (S) tolerances Design: NPD Manufacturing: according to product drawing published on: https://www.ruukki.com/b2b/products/load-bearing-profiles/lightweight-purlins and EN 1090-4: 2018, Execution class EXC3			

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

Attachment No. 5 to Declaration of Performance 12/LBS/VIM Other purlins

Manufacturer: Ruukki Construction Oy
Kalkkimäentie 1, FI – 62800 Vimpeli,
Finland

Product Declared value	Light weight purlins LP-L50 LP-L70 LP-L100	Light weight purlins Kantbalk KTB-T70 KTB-T130 KTB-T153	Ventilating steel batten RA5453700	Cast seam flashing LP-CSF100 LP-CSF120 LP-CSF150 LP-CSF150R LP-CSF200 LP-CSF200R
Year when CE mark was affixed:	14	14	14	17
Material grades:	S350GD+Z275	S350GD+Z275	S350GD+Z275	S350GD+Z275
Material thicknesses (mm):	1,0; 1,2; 1,5 2,0; 2,5; 3,0	1,0; 1,2; 1,5 2,0; 2,5; 3,0	0,70	1,2; 1,5 2,0; 2,5
Durability:	Materials according to EN 10346: 2015: Plain galvanized Z275			
Intended use:	Load bearing capacity: NPD Deformation at serviceability limit state: NPD			
Tolerances on dimension and shape:	EN 1090-4: 2018			
Weldability:	NPD			
Fracture toughness, Impact resistance:	NPD			
Fatigue strength:	NPD			
Resistance to fire:	NPD			
Reaction to fire:	Plain galvanized Z275: A1 (CWFT)			
Release of cadmium and its compounds:	NPD			
Emission of radioactivity:	NPD			
Component specification:	Material: EN 10346: 2015, tolerances acc. to EN 10143: 2006, (S) tolerances Design: NPD Manufacturing: according to product drawing published on: https://www.ruukki.com/b2b/products/load-bearing-profiles/lightweight-purlins and EN 1090-4: 2018, Execution class EXC3			

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