



DECLARATION OF PERFORMANCE

No. 25/PP/PAR

1. Unique identification code of product-type:

Rain screen panels Ruukki Liberta®	
Ruukki Liberta® original 102	Ruukki Liberta® original 102 Grande
Ruukki Liberta® elegant 500	Ruukki Liberta® elegant 500 Grande
Ruukki Liberta® elegant 550	
Cladding lamellas	
Lamella groove 10	Lamella sharp 45
Lamella groove 20	Lamella lap 60
Lamella groove 30	Lamella vertical 70
Lamella sharp 40	Lamella straight 100
Ruukki® Design profiles	
Ruukki® Design Oulu™ T10A	Ruukki® Design Rome™ S34
Ruukki® Design Oulu™ T10B	Ruukki® Design Rome™ S S34
Ruukki® Design Venice™ S10	Ruukki® Design Paris™ S55
Profiled sheets	
Profiled sheet T45-62-900	Profiled sheet S55-35W-885
Profiled sheet T45-37-900	

2. Intended use: Profiled metal products for external cladding and internal lining

3. Manufacturer: Ruukki Products AS
Turba 7
80010 Pärnu, Estonia

4. Authorized representative: Not applicable

5. AVCP level: reaction to fire: 3, other properties: 4

6a. Harmonised standard: EN 14782:2006 "Self-supporting metal sheet for roofing, external cladding and internal lining - Product specification and requirements"

Notified body: Instytut Techniki Budowlanej (ITB) (1488)
Eurofins Expert Services Oy (0809)

7. Declared performances: Technical product characteristics of specified product configuration are available in attachment 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/facade-cladding-support/declaration-of-performance-for-facade-claddings>

Signed for and on behalf of the manufacturer by:



Adam Korol
Senior Vice President
Building Components

Helsinki 07.10.2024

Attachment 1 to the Declaration of Performance 25/PP/PAR

Product		Ruukki Liberta® original 102	Ruukki Liberta® elegant 550	Ruukki Liberta® original 102 Grande	Ruukki Liberta® elegant 500 Grande
Declared values		Ruukki Liberta® elegant 500			
Year when CE mark was affixed:		13	19	13	
Mechanical resistance:		No Performance Determined (NPD)			
Water permeability:		Passed at non-perforated materials, NPD at perforated materials			
Dimensional change:		Steel: 12 x 10 ⁻⁶ K ⁻¹ Aluminium: 24 x 10 ⁻⁶ K ⁻¹ Stainless steel: 16 x 10 ⁻⁶ K ⁻¹ Copper: 16,8 x 10 ⁻⁶ K ⁻¹ Rheinzink: 22 x 10 ⁻⁶ K ⁻¹ Brass: 19 x 10 ⁻⁶ K ⁻¹ Bronze: 18 x 10 ⁻⁶ K ⁻¹		Steel: 12 x 10 ⁻⁶ K ⁻¹	
Dimensional tolerances:		Steel: EN 10143: 2006; EN 508-1: 2014 Aluminium: EN 485-4: 1993, EN 508-2: 2008 Stainless steel: EN ISO 9445-1: 2010 EN 508-3: 2008 Copper: EN 1172: 2012, EN 506: 2008 Rheinzink: EN 988: 1996 Brass, Bronze: EN 1172: 2011		Steel: EN 10143: 2006 EN 508-1: 2014	
Release of regulated substances:		No Performance Determined (NPD)			
External fire performance:		No Performance Determined (NPD)			
Reaction to fire:		Steel: Hiarc / Hiarc matt 27 µm: A1 Hiarc max 40 µm: A1 powder coating: A2-s1, d0 Aluminium: NPD Stainless steel: A1 Copper, Rheinzink: A1 Brass, Bronze: A1		Steel: Hiarc / Hiarc matt 27 µm / Hiarc max 40 µm + bottom MW layer: A2-s2, d0	
Durability:	Grade of metal:	Steel: DX51D+Z275 Aluminium: EN AW-1050A; EN AW-3103 EN AW-3105, EN AW-3003 EN AW-3005, EN AW-5005 EN AW-5754 Stainless steel: 1.4301, 1.4401 Copper: Cu-DHP Zinc-Copper-Titanium: (Rheinzink) Brass: CuZn15 Bronze: CuSn4		Steel: DX51D+Z275	
	Thickness of metal:	Steel: 1,0 – 1,5 mm Aluminium: 1,2 – 2,0 mm Stainless steel: 1,0 – 1,25 mm Copper: 1,0 – 1,5 mm Rheinzink: 1,0 – 1,25 mm Brass, Bronze: 1,0 – 1,5 mm		Steel: 1,0 – 1,2 mm	
	Type and thickness of top coating:	Steel: Hiarc / Hiarc matt 27 µm Hiarc max 40 µm powder coating Aluminium: PVDF coating 25 µm powder coating, pattern-painted (multilayer coating) Aluminium: no coating Stainless steel: no coating Copper, Rheinzink: no coating Brass, Bronze: no coating		Steel: Hiarc / Hiarc matt 27 µm Hiarc max 40 µm	
	Type and thickness of back coating:	Steel: Epoxy min. 7 µm Aluminium: Epoxy min. 7 µm (when colour coated) Other materials: no coating		Steel: Epoxy min. 7 µm	

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

Attachment 2 to the Declaration of Performance 25/PP/PAR

Product		Lamella groove 10 Lamella groove 20 Lamella lap 60 Lamella vertical 70	Lamella groove 30 Lamella sharp 40 Lamella sharp 45 Lamella straight 100
Declared values			
Year when CE mark was affixed:		13	13
Mechanical resistance:		No Performance Determined (NPD)	
Water permeability:		Passed at non-perforated materials, NPD at perforated materials	
Dimensional change:		Steel: $12 \times 10^{-6} \text{ K}^{-1}$ Aluminium: $24 \times 10^{-6} \text{ K}^{-1}$ Stainless steel: $16 \times 10^{-6} \text{ K}^{-1}$ Copper: $16,8 \times 10^{-6} \text{ K}^{-1}$ Rheinzink: $22 \times 10^{-6} \text{ K}^{-1}$ Brass: $19 \times 10^{-6} \text{ K}^{-1}$ Bronze: $18 \times 10^{-6} \text{ K}^{-1}$	Steel: $12 \times 10^{-6} \text{ K}^{-1}$ Aluminium: $24 \times 10^{-6} \text{ K}^{-1}$
Dimensional tolerances:		Steel: EN 10143: 2006 EN 508-1: 2014 Aluminium: EN 485-4:1993 EN 508-2: 2008 Stainless steel: EN ISO 9445-1: 2010 EN 508-3: 2008 Copper: EN 1172:2012, EN 506:2008 Rheinzink: EN 988: 1996 Brass, Bronze: EN 1172: 2011	Steel: EN 10143: 2006 EN 508-1: 2014 Aluminium: EN 485-4: 1993 EN 508-2: 2008
Release of regulated substances:		No Performance Determined (NPD)	
External fire performance:		No Performance Determined (NPD)	
Reaction to fire:		Steel: Hiarc / Hiarc mat 27 μm : A1 Hiarc max 40 μm : A1 powder coating: A2-s1, d0 Aluminium: NPD Stainless steel: A1 (CWFT) Copper: A1 (CWFT) Rheinzink: A1 (CWFT) Brass, Bronze: A1 (CWFT)	Steel: Hiarc / Hiarc matt 27 μm : A1 Hiarc max 40 μm : A1 powder coating: A2-s1, d0 Aluminium: NPD
Durability:	Grade of metal:	Steel: DX51D+Z275 Aluminium: EN AW-1050A; EN AW-3103, EN AW-3105 EN AW-3003, EN AW-3005 EN AW-5005, EN AW-5754 Stainless steel: 1.4301, 1.4401 Copper: Cu-DHP Zn-Cu-Ti: (Rheinzink) Brass: CuZn15 Bronze: CuSn4	Steel: DX51D+Z275 Aluminium: EN AW-1050A; EN AW-3103 EN AW-3105, EN AW-3003 EN AW-3005, EN AW-5005 EN AW-5754
	Thickness of metal:	Steel: 1,0 – 1,2 mm Aluminium: 1,2 – 2,0 mm Stainless steel: 1,0 – 1,25 mm Copper: 1,0 – 1,5 mm Rheinzink: 1,0 – 1,25 mm Brass, Bronze: 1,0 – 1,5 mm	Steel: 1,0 – 1,2 mm Aluminium: 1,2 – 2,0 mm
	Type and thickness of top coating:	Steel: Hiarc / Hiarc matt 27 μm Hiarc max 40 μm powder coating Aluminium: PVDF coating 25 μm powder coating, pattern-painted (multilayer coating) Aluminium: no coating Stainless steel: no coating Copper: no coating Rheinzink: no coating Brass, Bronze: no coating	Steel: Hiarc / Hiarc matt 27 μm Hiarc max 40 μm powder coating Aluminium: PVDF coating 25 μm powder coating
	Type and thickness of back coating:	Steel: Epoxy min. 7 μm Aluminium: Epoxy min. 7 μm (when colour coated) Other materials: no coating	Steel: Epoxy min. 7 μm Aluminium: Epoxy min. 7 μm

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

Attachment 3 to the Declaration of Performance 25/PP/PAR

Product		Ruukki® Design Oulu T10A Ruukki® Design Oulu T10B	Ruukki® Design Venice S10 Ruukki® Design Rome S S34	Ruukki® Design Rome S34 Ruukki® Design Paris S55
Declared values				
Year when CE mark was affixed:		13	13	13
Mechanical resistance:		No Performance Determined (NPD)		
Water permeability:		Passed at non-perforated materials, NPD at perforated materials		
Dimensional change:		Steel: $12 \times 10^{-6} \text{ K}^{-1}$ Aluminium: $24 \times 10^{-6} \text{ K}^{-1}$ Stainless steel: $16 \times 10^{-6} \text{ K}^{-1}$ Copper: $16,8 \times 10^{-6} \text{ K}^{-1}$ Rheinznink: $22 \times 10^{-6} \text{ K}^{-1}$ Brass: $19 \times 10^{-6} \text{ K}^{-1}$ Bronze: $18 \times 10^{-6} \text{ K}^{-1}$		
Dimensional tolerances:		Steel: EN 10143: 2006; EN 508-1: 2014 Aluminium: EN 485-4: 1993, EN 508-2: 2008 Stainless steel: EN ISO 9445-1: 2010, EN 508-3: 2008 Copper: EN 1172: 2012, EN 506: 2008 Rheinznink: EN 988: 1996 Brass, Bronze: EN 1172: 2011		
Release of regulated substances:		No Performance Determined (NPD)		
External fire performance:		No Performance Determined (NPD)		
Reaction to fire:		Steel: Hiarc / Hiarc matt 27 µm: A1 Hiarc max 40 µm: A1 Polyester 25 µm: A1 powder coating: A2-s1, d0 Aluminium: NPD Stainless steel: A1 (CWFT) Copper: A1 (CWFT) Rheinznink: A1 (CWFT) Brass, Bronze: A1 (CWFT)		
Durability:	Grade of metal:	Steel: S280GD+Z275, DX51D+Z275 Aluminium: EN AW-1050A; EN AW-3103, EN AW-3105, EN AW-3003, EN AW-3005, EN AW-5005, EN AW-5754 Stainless steel: 1.4301, 1.4401 Copper: Cu-DHP Zinc-Copper-Titanium (Rheinznink) Brass: CuZn15 Bronze: CuSn4		
	Thickness of metal:	Steel: 0,5; 0,6 mm Aluminium: 0,7 mm Stainless steel: 0,5 mm Copper: 0,6; 0,7 mm Rheinznink: 0,7 mm Brass, Bronze: 0,6; 0,7 mm		
	Type and thickness of top coating:	Steel: Hiarc / Hiarc matt 27 µm, Hiarc max 40 µm, Polyester 25 µm, powder coating Aluminium: PVDF coating 25µm, powder coating, pattern-painted (multilayer coating) Aluminium: no coating Stainless steel: no coating Copper, Rheinznink: no coating Brass, Bronze: no coating		
	Type and thickness of back coating:	Steel: Epoxy min. 7 µm Aluminium: Epoxy min. 7 µm (when colour coated) Other materials: no coating		

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

Attachment 4 to the Declaration of Performance 25/PP/PAR

Product		Profiled sheet T45-62-900 Profiled sheet T45-37-900	Profiled sheet S55-35W-885
Declared values			
Year when CE mark was affixed:		13	13
Mechanical resistance:		0,45 (S280GD): NPD 0,50 (S280GD): 700 mm 0,60 (S280GD): 1000 mm 0,70 (S280GD): 1100 mm 0,60 (S320GD): 1100 mm 0,70 (S320GD): 1200 mm	No Performance Determined (NPD)
Water permeability:		Passed at non-perforated materials, NPD at perforated materials	
Dimensional change:		Steel: $12 \times 10^{-6} \text{ K}^{-1}$	
Dimensional tolerances:		EN 10143: 2006; EN 508-1: 2014	
Release of regulated substances:		No Performance Determined (NPD)	
External fire performance:		No Performance Determined (NPD)	
Reaction to fire:		Plain galvanized Z275: A1 (CWFT) Polyester standard 25 µm: A1 GreenCoat Pural BT matt 50 µm: A2-s1, d0 GreenCoat Hiarc 27 µm: A1 GreenCoat Hiarc matt 27 µm: A1 GreenCoat Hiarc max 40 µm: A1	
Durability:	Grade of metal:	S280GD+Z275 S320GD+Z275 DX51D+Z275	
	Thickness of metal:	0,45 – 0,7 mm	
	Type and thickness of top coating:	Plain galvanized Z275 Polyester standard 25 µm GreenCoat Pural BT matt 50 µm GreenCoat Hiarc 27 µm GreenCoat Hiarc matt 27 µm GreenCoat Hiarc max 40 µm	
	Type and thickness of back coating:	Epoxy min. 7 µm	

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