



## DECLARATION OF PERFORMANCE No. 25/PP/PAR

1. Unique identification code of product-type:

<b>Rain screen panels Liberta™</b>	
Liberta original 102	Liberta original 102 Grande
Liberta elegant 500	Liberta elegant 500 Grande
Liberta elegant 550	
<b>Cladding lamellas</b>	
Lamella groove 10	Lamella sharp 45
Lamella groove 20	Lamella lap 60
Lamella groove 30	Lamella vertical 70
Lamella sharp 40	Lamella straight 100
<b>Design profiles</b>	
Design Oulu™ T10A	Design Rome™ S34
Design Oulu™ T10B	Design Rome™ S S34
Design Venice™ S10	Design Paris™ S55
<b>Profiled sheets</b>	
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)  
VTT 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/b2b/support/certificates-and-declarations/facade-cladding-certificates-and-approvals>

Signed for and on behalf of the manufacturer by:

A handwritten signature in blue ink that reads "Adam Korol". The signature is written in a cursive style and is positioned above the printed name and title.

Adam Korol  
Senior Vice President  
Building Components

Helsinki 29.03.2019

**Attachment 1 to Declaration of Performance 25/PP/PAR**  
**Rain screen panels Liberta™**

Product		Liberta™ original 102 Liberta™ elegant 500	Liberta™ elegant 550	Liberta™ original 102 Grande Liberta™ elegant 500 Grande
Declared values				
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: $12 \times 10^{-6} \text{ K}^{-1}$ 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: $12 \times 10^{-6} \text{ K}^{-1}$
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 $\mu\text{m}$ : A1 Steel: powder coating: A2-s1, d0 Aluminium: NPD Stainless steel: A1 Copper, Rheinzink, Brass, Bronze: A1		Steel: Hiarc / Hiarc matt 27 $\mu\text{m}$ + 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 – 1,2 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
	Type and thickness of top coating:	Steel: Hiarc / Hiarc matt 27 $\mu\text{m}$ , powder coating Aluminium: PVDF coating 25 $\mu\text{m}$ , powder coating, pattern-painted (multilayer coating) Aluminium: no coating Stainless steel, copper, Rheinzink, Brass, Bronze: no coating		Steel: Hiarc / Hiarc matt 27 $\mu\text{m}$
	Type and thickness of back coating:	Steel: Epoxy min. 7 $\mu\text{m}$ Aluminium: Epoxy min. 7 $\mu\text{m}$ (when colour coated) Other materials: no coating		Steel: Epoxy min. 7 $\mu\text{m}$

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

## Attachment 2 to Declaration of Performance 25/PP/PAR Cladding lamellas

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 matt 27 $\mu\text{m}$ : A1 Steel: powder coating: A2-s1, d0 Aluminium: NPD Stainless steel: A1 Copper, Rheinzink, Brass, Bronze: A1	Steel: Hiarc / Hiarc matt 27 $\mu\text{m}$ : A1 Steel: 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 Zinc-Copper-Titanium (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 $\mu\text{m}$ Steel: powder coating Aluminium: PVDF coating 25 $\mu\text{m}$ , powder coating, pattern-painted (multilayer coating) Aluminium: no coating Stainless steel, Copper, Rheinzink, Brass, Bronze: no coating	Steel: Hiarc / Hiarc matt 27 $\mu\text{m}$ Steel: powder coating Aluminium: PVDF coating 25 $\mu\text{m}$ Aluminium: powder coating
	Type and thickness of back coating:	Steel: Epoxy min. 7 $\mu\text{m}$ Aluminium: Epoxy min. 7 $\mu\text{m}$ (when colour coated) Other materials: no coating	Steel: Epoxy min. 7 $\mu\text{m}$ Aluminium: Epoxy min. 7 $\mu\text{m}$

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

**Attachment 3 to Declaration of Performance 25/PP/PAR**  
**Design profiles**

Product		Design Oulu™ T10A		Design Venice™ S10		Design Rome™ S34	
		Design Oulu™ T10B		Design Rome™ S S34		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: $24 \times 10^{-6} \text{ K}^{-1}$ 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 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 matt 27µm: A1 Steel: powder coating: A2-s1, d0 Aluminium: NPD Copper, Rheinzink, Brass, Bronze: A1		Steel: Hiarc / Hiarc matt 27 µm: A1 Steel: powder coating: A2-s1, d0 Aluminium: NPD			
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 Copper: Cu-DHP Zinc-Copper-Titanium (Rheinzink) Brass: CuZn15 Bronze: CuSn4		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			
	Thickness of metal:	Steel: 0,6 mm Aluminium 0,7 mm Copper: 0,7 mm Rheinzink: 0,7 mm Brass, Bronze: 0,7 mm		Steel: 0,6 mm Aluminium: 0,7 mm			
	Type and thickness of top coating:	Steel: Hiarc / Hiarc matt 27 µm, powder coating Aluminium: PVDF coating 25µm, powder coating, pattern-painted (multilayer coating) Aluminium: no coating Copper, Rheinzink, Brass, Bronze: no coating		Steel: Hiarc / Hiarc matt 27 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 (when colour coated) Other materials: no coating			

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

## Attachment 4 to Declaration of Performance 25/PP/PAR Profiled sheets

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 mm – 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 $\mu\text{m}$ : A1 GreenCoat Pural BT matt 50 $\mu\text{m}$ : A2-s1, d0 GreenCoat Hiarc 27 $\mu\text{m}$ : A1 GreenCoat Hiarc matt 27 $\mu\text{m}$ : 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 $\mu\text{m}$ GreenCoat Pural BT matt 50 $\mu\text{m}$ GreenCoat Hiarc 27 $\mu\text{m}$ GreenCoat Hiarc matt 27 $\mu\text{m}$	
	Type and thickness of back coating:	Epoxy min. 7 $\mu\text{m}$	

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