



DECLARATION OF PERFORMANCE

No. 8/PP/VIM

1. Unique identification code of product-type:

Tile sheets	
Monterrey / Tiilikainen TS39-350-1100	Bothnia / Pohjalainen TS54-400-1100
Standing seam sheets	
Ruukki Classic 475C	Ruukki Nordic 477C
Ruukki Classic 475D	Ruukki Nordic 477D
Ruukki Classic 475CF	
Ruukki Classic 475DF	
Ruukki Classic Silence 475CF	
Profiled sheets	
Profiled sheet S18-92W-1100	Profiled sheet T45-30W-905
Profiled sheet T20-30W-1090	Profiled sheet T45-30EW-1025
Profiled sheet T20-42SW-1070	

2. Intended use:
- Tile sheets:
Self-supporting profiled metal products for roofing
- Standing seam sheets:
Self-supporting profiled metal products for roofing, ceiling, soffit, external cladding and internal lining
- Profiled sheets:
Self-supporting profiled metal products for roofing, ceiling, soffit, external cladding and internal lining
3. Manufacturer: Ruukki Construction Oy
Kalkkimäentie 1, FI – 62800 Vimpeli
Finland
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)**
The list of top coatings classified by above Notified Body under reaction to fire:
Polyester standard 25 µm (Ruukki 30)
Polyester rough matt 30 µm (Ruukki 30 matt)
GreenCoat Pural 50 µm
GreenCoat Pural matt 50 µm

Eurofins Expert Services Oy (0809)

The list of top coatings classified by above Notified Body under reaction to fire:

GreenCoat Crown BT 26 µm (Ruukki 40)

GreenCoat Hiarc 27 µm

GreenCoat Hiarc matt 27 µm

GreenCoat Pural BT 50 µm

GreenCoat Pural BT matt 50 µm

GreenCoat Pural BT satin 50 µm

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:

<http://www.ruukki.com/b2c/support/document-library>

<https://www.ruukki.com/b2b/support/certificates-and-declarations/facade-cladding-certificates-and-approvals>

Signed for and on behalf of the manufacturer by:



Adam Korol
Senior Vice President
Building Envelopes

Helsinki, 20.05.2024

Attachment 1 to Declaration of Performance No. 8/PP/VIM

Tile sheets

Product		Monterrey / Tiilikainen TS39-350-1100	Bothnia / Pohjalainen TS54-400-1100
Declared values			
Mechanical resistance:		No Performance Determined (NPD)	
Water permeability:		Passed	
Dimensional change:		Steel: $12 \times 10^{-6} \text{ K}^{-1}$	
Release of regulated substances:		No Performance Determined (NPD)	
External fire performance:		B_{roof} (CWFT) for end uses determined as roofing applications	
Reaction to fire (steel sheet with organic coating):		Polyester standard 25 μm : A1 Polyester rough matt 30 μm : A1 GreenCoat Crown BT 26 μm : A2-s1, d0 GreenCoat Pural 50 μm : A2-s1, d0 GreenCoat Pural matt 50 μm : A2-s1, d0 GreenCoat Pural BT 50 μm : A1 GreenCoat Pural BT matt 50 μm : A1 GreenCoat Pural BT satin 50 μm : A1 GreenCoat Hiarc 27 μm : A1 GreenCoat Hiarc matt 27 μm : A1	
Durability:	Grade of metal:	S280GD+Z275	S280GD+Z275
	Thickness of metal (acc. to EN 508-1: 2014):	0,45 mm 0,50 mm 0,60 mm	0,45 mm 0,50 mm 0,60 mm
	Type and thickness of top coating:	Polyester standard 25 μm Polyester rough matt 30 μm GreenCoat Crown BT 26 μm GreenCoat Pural 50 μm GreenCoat Pural matt 50 μm GreenCoat Pural BT 50 μm GreenCoat Pural BT matt 50 μm GreenCoat Pural BT satin 50 μm GreenCoat Hiarc 27 μm GreenCoat Hiarc matt 27 μm	
	Type and thickness of back coating:	Epoxy min. 7 μm	

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

Attachment 2 to Declaration of Performance No. 8/PP/VIM

Standing seam sheets

Product		Ruukki Classic 475C Ruukki Classic 475D	Ruukki Classic Silence 475CF Ruukki Classic Silence 475DF	Ruukki Nordic 477C Ruukki Nordic 477D
Declared values				
Mechanical resistance:		No Performance Determined (NPD)		
Water permeability:		Passed		
Dimensional change:		Steel: $12 \times 10^{-6} \text{ K}^{-1}$		
Release of regulated substances:		No Performance Determined (NPD)		
External fire performance – profile Ruukki Classic Silence:		B _{roof} (t1) for end uses determined as roofing applications, use the splice flashing RA1ACJ at joint on the sheet length. NPD for other end uses.		
External fire performance – other profiles:		B _{roof} (CWFT) for end uses determined as roofing applications, NPD for other end uses.		
Reaction to fire (steel sheet with organic coating):		Polyester standard 25 µm: A1 Polyester rough matt 30 µm: A1 GreenCoat Crown BT 26 µm: A2-s1, d0 GreenCoat Pural 50 µm: A2-s1, d0 GreenCoat Pural matt 50 µm: A2-s1, d0 GreenCoat Pural BT 50 µm: A1 GreenCoat Pural BT matt 50 µm: A1 GreenCoat Pural BT satin 50 µm: A1 GreenCoat Hiarc 27 µm: A1 GreenCoat Hiarc matt 27 µm: A1		
Reaction to fire – profile Ruukki Classic Silence:		Steel profile with the colour coated top coating from listed above and additional layer of acoustic felt on the bottom side of the profile: B-s1, d0		
Durability:	Grade of metal:	S280GD+Z275	S280GD+Z275	S280GD+Z275
	Thickness of metal (acc. to EN 508-1: 2014):	0,50 mm 0,60 mm	0,50 mm 0,60 mm	0,50 mm 0,60 mm
	Type and thickness of top coating:	Polyester standard 25 µm Polyester rough matt 30 µm GreenCoat Crown BT 26 µm GreenCoat Pural 50 µm GreenCoat Pural matt 50 µm GreenCoat Pural BT 50 µm GreenCoat Pural BT matt 50 µm GreenCoat Pural BT satin 50 µm GreenCoat Hiarc 27 µm GreenCoat Hiarc matt 27 µm		
	Type and thickness of back coating:	Epoxy min. 7 µm		

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

Attachment 3 to Declaration of Performance No. 8/PP/VIM

Profiled sheets

Product		Profiled sheet T20-30W-1090	Profiled sheet T20-42SW-1070
Declared values			
Mechanical resistance:		0,45 (S280GD) – 700 mm 0,50 (S280GD) – 800 mm 0,60 (S280GD) – 1000 mm 0,70 (S320GD) – 1300 mm 0,80 (S320GD) – 1500 mm	0,45 (S280GD) – 700 mm 0,50 (S280GD) – 800 mm 0,60 (S280GD) – 1000 mm 0,70 (S320GD) – 1300 mm 0,80 (S320GD) – 1500 mm
Water permeability:		Passed for non-perforated profiles, NPD for perforated profiles	
Dimensional change:		Steel: $12 \times 10^{-6} \text{ K}^{-1}$	
Release of regulated substances:		No Performance Determined (NPD)	
External fire performance:		B _{roof} (CWFT) for end uses determined as roofing applications, NPD for other end uses.	
Reaction to fire (steel sheet with organic coating):		Plain galvanized Z275 / Z350: A1 (CWFT) Polyester standard 25 µm: A1 Polyester rough matt 30 µm: A1 GreenCoat Crown BT 26 µm: A2-s1, d0 GreenCoat Pural 50 µm: A2-s1, d0 GreenCoat Pural matt 50 µm: A2-s1, d0 GreenCoat Pural BT 50 µm: A1 GreenCoat Pural BT matt 50 µm: A1 GreenCoat Pural BT satin 50 µm: A1 GreenCoat Hiarc 27 µm: A1 GreenCoat Hiarc matt 27 µm: A1	
Durability:	Grade of metal:	S280GD+Z275	S280GD+Z275
	Thickness of metal (acc. to EN 508-1: 2014):	0,45 mm; 0,5 mm; 0,6 mm; 0,7 mm; 0,8 mm	0,45 mm; 0,5 mm; 0,6 mm; 0,7 mm; 0,8 mm
	Type and thickness of top coating:	Plain galvanized Z275, Z350 Polyester standard 25 µm Polyester rough matt 30 µm GreenCoat Crown BT 26 µm GreenCoat Pural 50 µm GreenCoat Pural matt 50 µm GreenCoat Pural BT 50 µm GreenCoat Pural BT matt 50 µm GreenCoat Pural BT satin 50 µm GreenCoat Hiarc 27 µm GreenCoat Hiarc matt 27 µm	
	Type and thickness of back coating:	Epoxy min. 7 µm	

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

NOTE: Profiled sheets are optionally available also with anticondensation layer or perforation as EN 14782 standard includes these end applications.

Attachment 4 to Declaration of Performance No. 8/PP/VIM

Profiled sheets

Product		Profiled sheet T45-30W-905	Profiled sheet T45-30EW-1025	Profiled sheet S18-92W-1100
Declared values				
Mechanical resistance:		0,45 (S280GD) – NPD 0,50 (S280GD) – 2000 mm 0,60 (S280GD) – 2700 mm 0,70 (S320GD) – 3700 mm 0,80 (S320GD) – 4300 mm 0,90 (S320GD) – 4800 mm 1,00 (S320GD) – 5200 mm	0,45 (S280GD) – NPD 0,50 (S280GD) – 2000 mm 0,60 (S280GD) – 2700 mm 0,70 (S320GD) – 3700 mm 0,80 (S320GD) – 4300 mm 0,90 (S320GD) – 4800 mm 1,00 (S320GD) – 5200 mm	No Performance Determined (NPD)
Water permeability:		Passed for non-perforated profiles, NPD for perforated profiles		
Dimensional change:		Steel: $12 \times 10^{-6} \text{ K}^{-1}$		
Release of regulated substances:		No Performance Determined (NPD)		
External fire performance:		B_{roof} (CWFT) for end uses determined as roofing applications, NPD for other end uses.		
Reaction to fire (steel sheet with organic coating):		Plain galvanized Z275, Z350 Polyester standard 25 μm Polyester rough matt 30 μm GreenCoat Crown BT 26 μm GreenCoat Pural 50 μm GreenCoat Pural matt 50 μm GreenCoat Pural BT 50 μm GreenCoat Pural BT matt 50 μm GreenCoat Pural BT satin 50 μm GreenCoat Hiarc 27 μm GreenCoat Hiarc matt 27 μm		
Durability:	Grade of metal:	S280GD+Z275	S280GD+Z275	S280GD+Z275
	Thickness of metal (acc. to EN 508-1: 2014):	0,45 mm; 0,5 mm; 0,6 mm; 0,7 mm; 0,8 mm; 0,9 mm; 1,0 mm	0,45 mm; 0,5 mm; 0,6 mm; 0,7 mm; 0,8 mm; 0,9 mm; 1,0 mm	0,45 mm; 0,5 mm; 0,6 mm; 0,7 mm
	Type and thickness of top coating:	Plain galvanized Z275, Z350 Polyester standard 25 μm Polyester rough matt 30 μm GreenCoat Crown BT 26 μm GreenCoat Pural 50 μm GreenCoat Pural matt 50 μm GreenCoat Pural BT 50 μm GreenCoat Pural BT matt 50 μm GreenCoat Pural BT satin 50 μm GreenCoat Hiarc 27 μm GreenCoat Hiarc matt 27 μm		
	Type and thickness of back coating:	Epoxy min. 7 μm		

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

NOTE: Profiled sheets are optionally available also with anticondensation layer or perforation as EN 14782 standard includes these end applications.