

LOAD-BEARING SHEET T70-57L-1058



Optimal geometry of the T70 enables cost efficient roof structures for reasonable spans.

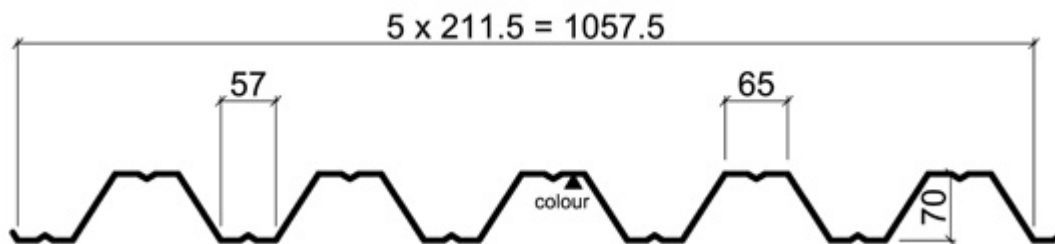
For the optimal structural dimensioning, use Ruukki's roof dimensionin software, Poimu.

T70 is targeted for roof structures with spans less than 5m.

All of Ruukki's load-bearing sheets can be equipped with smart technology. The new Ruukki® Roof Sensor system tracks snow loads on roofs in real time, prevents dangerous situations and saves costs by making snow removal smarter. Read more about the benefits of smart roofs [here](#).

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PROPERTIES



Model name	Load-Bearing Sheet T70-57L-1058
Product code	T70-57L-1058
Height	70 mm
Width of valley	57 mm
Width of crown	65 mm
Effective width	1057.5 mm
Minimum length	600 mm
Maximum Length	15000 mm
Typical Span	<5 m
Quality control	Factory production control according to EN 1090-1 and EN 1090-4
Tolerances	Dimensions and shape according to EN 1090-4, material thickness according to EN 10143
CE Marking	EN1090-1
Execution class	EXC1, EXC2, EXC3

MATERIALS

Material thickness (mm)	Steel grade	Zinc (g/m ²)	Surface treatment	Corrosion class, interior	Corrosion class, exterior	Colours	Weight (kg/m ²)
0.7	S350	Z275	Galvanized	C2	-	-	7.79

0.7	S350	Z100	Polyester 15	C2	-	RR20	7.79
0.7	S350	Z275	Polyester 25	C3	C3	RR20	7.79
0.8	S350	Z275	Galvanized	C2	-	-	8.90
0.8	S350	Z100	Polyester 15	C2	-	RR20	8.90
0.8	S350	Z275	Polyester 25	C3	C3	RR33	8.90
0.9	S350	Z275	Galvanized	C2	-	-	10.02
0.9	S350	Z100	Polyester 15	C2	-	RR20	10.02
1.0	S350	Z275	Galvanized	C2	-	-	11.13
1.0	S350	Z100	Polyester 15	C2	-	RR20	11.13
1.0	S350	Z275	Polyester 25	C3	C3	RR20, RR33	11.13
1.0	S350	Z275	Pural	-	C4	RR23	11.13

Note: The reverse sides of the colour coated sheets are painted as standard with 2-layer grey backside coating

PROTECTION AGAINST CORROSION

Environment	Coating
Interior applications in environments with corrosivity category C1, C2 according to EN ISO 12944-2 standard and A1, A2 according to EN 10169 standard	Steel sheets with zinc coating of 100 g/m ² and with polyester coating SP 15, thickness 15 µm
Interior applications in environments with corrosivity category C1, C2, C3 according to EN ISO 12944-2 standard and A1, A2, A3 according to EN 10169 standard	Steel sheets with zinc coating of 275 g/m ² and with polyester coating SP 25, thickness 25 µm

ROOF SENSOR

INTRODUCTION TO RUUKKI ROOF SENSOR SYSTEM

The purpose and aim of the Ruukki® Roof Sensor System is to measure and visualize the snow load on roofs constructed with Ruukki load bearing sheets. The system provides valuable information for safety and management decisions concerning the building. It's accessory for all Ruukki load bearing sheets and is available for new and old roofs that have access to the lower

surface of the sheeting. The system is easy to install and use and there is no need for further monthly service fees.

Following corner stones are needed in the system

1. In structural design, Ruukki's POIMU roof dimensioning program must be used
2. Ruukki Roof Sensors location must be defined by the structural designer and sensors appropriately fitted by the installer
3. The parameters needed in system configuration are defined in POIMU program

After the sensors installation and system configuration, the system gives warnings when designers defined characteristic snow load level have been reached. Further warnings will be given well before load bearing sheeting is approaching its ultimate capacity. Warnings are given by visual light on the roof level and through user interface in web pages in a local network.

DOCUMENTATION



02 APR, 2019

Ruukki Roof Sensor users guide
PDF, 218.54 KB



02 APR, 2019

Ruukki Roof Sensor installation instruction
PDF, 2.87 MB



27 NOV, 2018

Ruukki Roof Sensor infographic
PDF, 544.66 KB



27 NOV, 2018

Ruukki Roof Sensor positioning table
DOCX, 94.76 KB

ACCESSORIES

Accessories for load bearing sheets include e.g. flashings, fasteners, gaskets and sealing flanges. These accessories ensure fast assembly, fastening reliability, joint tightness.



15 SEP, 2016

Profiled sheets and purlins accessories
PDF, 4.80 MB

DESIGN TOOLS

To make both architectural and structural design work easier, with accurate product information in 3D form, we offers a selection of CAD / BIM -objects and software tools, to be downloaded from the Software Toolbox portal.

READY MODELLED BIM OBJECTS

Download objects for ArchiCAD

Download objects for Revit

DIMENSIONING SOFTWARE POIMU

We offer excellent dimensioning software, Poimu, which allows you to optimise product choice according to the Eurocode. Simply by defining some basic input data you can select a load-bearing sheet for their needs from Ruukki's selection. This quick optimisation tool covers 1-, 2-span and continuous structures and gives the exact solution as to what sheet should be used, as well as its length.

[Download Poimu](#)

DETAIL DRAWING (.DWG)



06 MAY, 2016

Ruukki load-bearing sheet drawings

ZIP, 9.06 MB

DETAIL DRAWING (.PDF)



06 MAY, 2016

Ruukki_load-bearing_sheet-drawings

PDF, 7.32 MB

INSTRUCTIONS

ASSEMBLY INSTRUCTIONS

Assembly instructions document includes information about:

- Packing
- Transportation and unloading
- Storing
- Assembling.



06 MAY, 2016

Ruukki-user-manual-for-lifting-tool

PDF, 1.98 MB



06 MAY, 2016

Ruukki-load-bearing-sheet-anticondence-storage-instructions

PDF, 232.57 KB



06 MAY, 2016

Ruukki-load-bearing-profiled-sheet-installation-instructions

PDF, 3.10 MB

CERTIFICATES & APPROVALS

DECLARATION OF PERFORMANCE



11 MAY, 2016

Declaration of Performance 12/LBS/VIM - Load bearing products

PDF, 494.06 KB