Load-bearing sheet T130M-75L-930

Microprofiled top and bottom flanges make the T130M load-bearing sheet the **strongest and easiest to install** load-bearing sheet yet.

Thanks to its **increased load-bearing capacity**, the T130M enables most optimised load-bearing sheet structures.

The strength of the microprofiled T130M is validated by tests. The tests prove increased moment capacity up to 20% compared to the currently available T130 load-bearing sheet.

Ruukki load-bearing sheets are CE-marked according to the EN 1090-1.

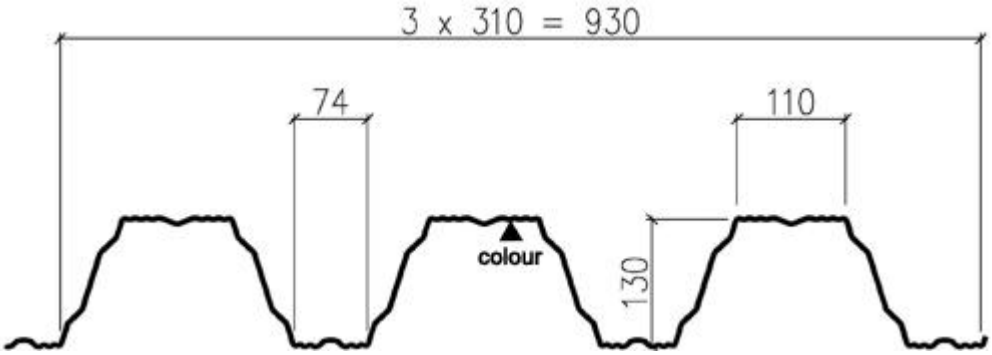
Load-bearing sheets are suitable for roof decking, external roof sheeting and intermediate flooring, and they can also be used as formwork for concrete slabs.

For the most economical design, use Ruukki's Poimu roof-dimensioning software.

Applications:

- Industrial buildings
- Public buildings
- Sports venues
- Office buildings
- Renovation projects

Properties



The small arrow indicates the side where coating is applied on the sheet.

Note! Load-bearing sheets are delivered with the narrow flange facing up and wide flange facing down, check if you need to turn the sheet for installation.

Product properties	Ruukki T130M-75L-930
	T = trapezoidal sheet
	130 = height class
	M = microprofiled
	75 = flange width
	L = load bearing profile
	930 = modular width
Height:	130 mm
Modular width:	930 mm
Thicknesses available:	0.7-1.5 mm
Thicknesses in stock:	0.7, 0.8, 0.9, 1.0, 1.2 and 1.5 mm
Minimum length:	800 mm
Maximum length:	18300 mm
Quality control:	Factory production control according to EN14782 and EN1090-1
Material:	Hot dip galvanized S350GD+Z steel sheet Galvanized according to EN10346 Coil-coated according to EN10169-1
Tolerances:	Profile sheet: EN 14782 and EN 1090-2
CE marking:	According to EN1090-1
Execution class:	EXC1, EXC2, EXC3

Materials

Thickness	Coating	Zinc	Corrosion classes		Steel grade	Weight	Colours
mm			Interior	Exterior		kg/m2	
0.7	Plain galvanized	Z275	C1-C2		S350	8.86	-
0.7	Polyester 15	Z100	C1-C2		S350	8.86	RR20
0.7	Polyester 25	Z275	C1-C3	C2-C3	S350	8.86	RR20
0.8	Plain galvanized	Z275	C1-C2		S350	10.13	-
0.8	Polyester 15	Z100	C1-C2		S350	10.13	RR20
0.9	Plain galvanized	Z275	C1-C2		S350	11.40	-
0.9	Polyester 15	Z100	C1-C2		S350	11.40	RR20
1	Plain galvanized	Z275	C1-C2		S350	12.66	-
1	Polyester 15	Z100	C1-C2		S350	12.66	RR20
1	Polyester 25	Z275	C1-C3	C2-C3	S350	12.66	RR20
1	Pural	Z275	C2-C4		S350	12.66	RR23
1.2	Plain galvanized	Z275	C1-C2		S350	15.19	-
1.2	Polyester 15	Z100	C1-C2		S350	15.19	RR20
1.5	Plain galvanized	Z275	C1-C2		S350	18.99	-
1.5	Polyester 15	Z100	C1-C2		S350	18.99	RR20

*As corrosivity categories C4 and C5-I/M are extremely demanding, Ruukki may provide only a special limited warranty on a separate agreement - please contact Ruukki Metals' Technical Customer Services for colour coated products.

Protection against corrosion

Environment	Coating
Inside buildings 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/m2 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/m2 and with polyester coating SP 25, thickness 25 µm

Corrosivity categories according to EN ISO 12944-2 standard, examples

Corrosivity category C1:

- Interior – heated building with clean atmospheres, e.g. offices, shops, schools, hotels

Corrosivity category C2:

- Interior – unheated buildings where condensation may occur, e.g. depots, sports halls

Corrosivity category C3:

- Interior – production rooms with high humidity and some air pollution, e.g. food-processing plants, laundries, breweries, dairies
- Exterior- urban and industrial atmospheres, moderate sulfur dioxide pollution. Coastal areas with low salinity.

Corrosivity category C4:

- Exterior -industrial areas and coastal areas with moderate salinity.

Corrosivity categories according to EN 10169 standard (condensation), examples

Corrosivity category A1:

- Interior – office buildings, schools, residential (except kitchens and bathrooms), dry storage buildings

Corrosivity category A2:

- Interior – sports halls, cinemas, theatres, cold stores, supermarkets

Corrosivity category A3:

- Interior – kitchens and bathrooms, food processing (e.g. bakeries), industrial buildings with dry process

Installation

Note! When delivered, the narrow flange of the load-bearing roofing sheet faces upwards in the package, so check if the sheet needs to be turned to be installed correctly.

- For insulated roofing structures, the load-bearing sheet needs to be turned, as it is installed **with the narrow flange against the support**. An exception is the anti-condensation coated sheet, which is delivered with the wide flange facing upwards, when semi-warm roof is in question.
- For uninsulated roofs, the sheet is installed as delivered, **with the wide flange against the support**.

Safety

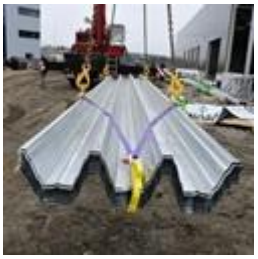
Ensuring the health and safety of workers is our priority. We have developed the perfect lifting tool for Ruukki load-bearing sheet site actions.

The safety lifting tool is meant for lifting load-bearing sheets safely. It is CE-marked and can be used only with Ruukki's load-bearing sheets.

We recommend using our health and safety equipment when handling and installing load-bearing sheets.

National restrictions might be in place. Please check local usage possibilities from us.

Lifting tool



Lifting tool

Lifting tool

Lifting tool

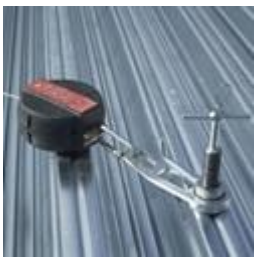
Lifting tool

Safety anchor

Safety anchor

Safety anchor

Safety anchor



Safety anchor

Safety anchor

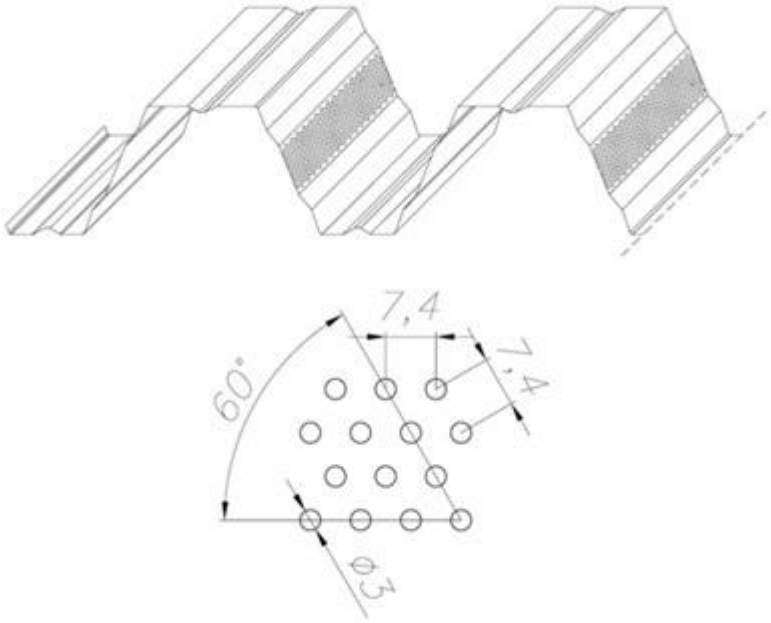
Services & options

Web perforation

Standard perforation grade (within perforation area) is 15%. Diameter of perforation holes is 3 mm which are spaced on the basis of equilateral triangle, side equals 7.4 mm.

Due to web perforation of load-bearing trapezoidal sheets, decrease of strength parameters takes place.

In order to determine load capacity of perforated profiles, you are recommended to use Poimu software, which enables dimensioning and optimization of trapezoidal sheets within structure.



Acoustics

When you need reduction for reverberation time, please ask for further information from our sales. Our load-bearing profile sheets are tested with different kinds of roof build-ups to meet your needs. We are not limited to only sound absorption, our experts are also ready to consult you regarding the roof sound insulation.

Anti-condensation

When building cold storage or car shelters, please remember that condensation might be harmful. To avoid this, we can provide our load-bearing sheets with anti-condensation layers.