

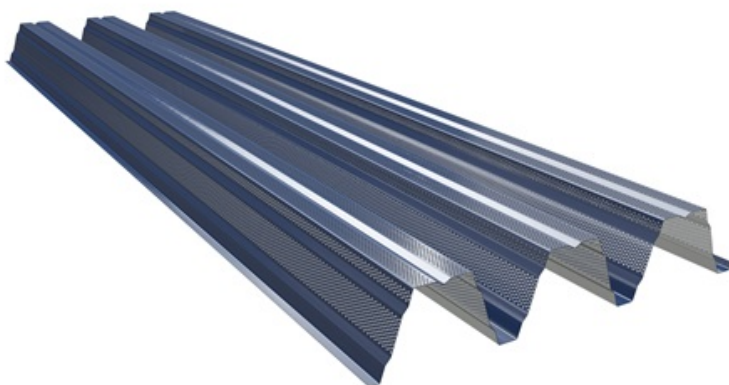
# Nesošā profilloksne T153-40L-840 AcuB

Web and flange perforated profile for high level acoustic performance.

**This product is optionally available with following sustainable features:**

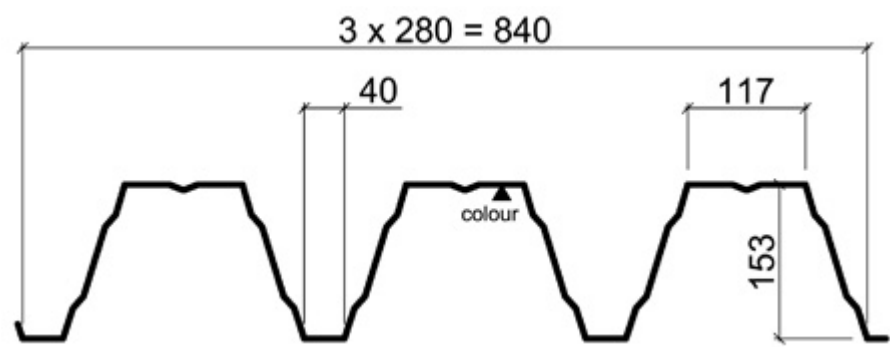
- Steel profile made of recycled steel (SSAB Zero) for significantly lower CO<sub>2</sub> emissions and high circularity (Ruukki LowCarbon)
- Availability and delivery time for different thickness/coating combinations varies.

For the optimal structural dimensioning, use Ruukki's roof dimensioning software, [Poimu](#).



**SEND CONTACT REQUEST**

# Tehniskais raksturojums



|                        |                                                                                       |
|------------------------|---------------------------------------------------------------------------------------|
| Nosaukums              | Nesošā profilloksne T153-40L-840 AcuB                                                 |
| Produkta nosaukums     | T153-40L-840 AcuB                                                                     |
| Augstums               | 153 mm                                                                                |
| Apakšējā viļņa platums | 40 mm                                                                                 |
| Viļņa platums          | 117 mm                                                                                |
| Kopējais platums       | 840 mm                                                                                |
| Minimālais garums      | 800 mm                                                                                |
| Maksimālais garums     | 18300 mm                                                                              |
| Kvalitātes kontrole    | Rūpnīcā tiek veikta ražošanas kontrole saskaņā ar standartiem EN 1090-1 un EN 1090-4. |
| Pielaiides             | Dimensions and shape according to EN 1090-4, material thickness according to EN 10143 |
| CE marķējums           | EN1090-1                                                                              |
| Izpildījuma klase      | EXC1, EXC2, EXC3                                                                      |

# Materials

## Materiāli

| Materiāla biezums (mm) | Tērauda markas | Cinks (g/m <sup>2</sup> ) | Pārklājums         | Korozijas aktivitātes kategorija, iekšējais | Korozijas aktivitātes kategorija, ārējais | Krāsas **  | Svars (kg/m <sup>2</sup> ) | GWP, A1-A3 (kgCO <sub>2</sub> e/m <sup>2</sup> ) | GWP, D (kgCO <sub>2</sub> e/m <sup>2</sup> ) |
|------------------------|----------------|---------------------------|--------------------|---------------------------------------------|-------------------------------------------|------------|----------------------------|--------------------------------------------------|----------------------------------------------|
| 0.7                    | S350           | Z275                      | Cinkots            | C2                                          | -                                         | -          | 9.81                       | 25.5                                             | -13.8                                        |
| 0.7                    | S350           | Z100                      | Poliesteris 25     | C2                                          | -                                         | RR20       | 9.81                       | 26.9                                             | -13.8                                        |
| 0.7                    | S350           | Z275                      | Poliesteris 25     | C3*                                         | C3                                        | RR20       | 9.81                       | 26.9                                             | -13.8                                        |
| 0.8                    | S350           | Z275                      | Cinkots            | C2                                          | -                                         | -          | 11.22                      | 29.1                                             | -15.8                                        |
| 0.8                    | S350           | Z275                      | Poliesteris 25     | C3*                                         | C3                                        | RR33       | 11.21                      | 30.7                                             | -15.8                                        |
| 0.8                    | S350           | Z100                      | Poliesteris 25     | C2                                          | -                                         | RR20       | 11.21                      | 30.7                                             | -15.8                                        |
| 0.9                    | S350           | Z275                      | Cinkots            | C2                                          | -                                         | -          | 12.62                      | 32.8                                             | -17.8                                        |
| 0.9                    | S350           | Z100                      | Poliesteris 25     | C2                                          | -                                         | RR20       | 12.62                      | 34.6                                             | -17.8                                        |
| 1.0                    | S350           | Z275                      | Cinkots            | C2                                          | -                                         | -          | 14.02                      | 36.5                                             | -19.8                                        |
| 1.0                    | S350           | Z100                      | Poliesteris 25     | C2                                          | -                                         | RR20       | 14.02                      | 38.4                                             | -19.8                                        |
| 1.0                    | S350           | Z275                      | Poliestreis 25     | C3*                                         | C3                                        | RR20, RR33 | 14.02                      | 38.4                                             | -19.8                                        |
| 1.0                    | S350           | Z275                      | GreenCoat Pural BT | C4*                                         | C4                                        | RR23       | 14.02                      | 38.4                                             | -19.8                                        |
| 1.2                    | S350           | Z275                      | Cinkots            | C2                                          | -                                         | -          | 16.82                      | 43.7                                             | -23.7                                        |
| 1.2                    | S350           | Z100                      | Poliesteris 25     | C2                                          | -                                         | RR20       | 16.82                      | 46.1                                             | -23.7                                        |
| 1.2                    | S350           | Z275                      | Poliestreis 25     | C3*                                         | C3                                        | RR33       | 16.82                      | 46.1                                             | -23.7                                        |
| 1.5                    | S350           | Z275                      | Cinkots            | C2                                          | -                                         | -          | 21.03                      | 54.7                                             | -29.7                                        |
| 1.5                    | S350           | Z100                      | Poliesteris 25     | C2                                          | -                                         | RR20       | 21.03                      | 57.6                                             | -29.7                                        |

\*) For perforated sheetings C2

\*\*) Piezīme: Loksnes otra puse pārklāta ar 2 slāņu pelēku grunts krāsu.

## Korozijas aktivitātes kategorija

| Apkārtējā vide                                                                                                                                             | Pārklājums                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Ēkās, kuru iekšējās vides korozijas aktivitātes kategorija saskaņā ar standartu EN ISO 12944-2 ir C1, C2 un saskaņā ar standartu EN 10169 – A1, A2         | Tērauda loksnes ar cinka pārklājumu 100 g/m <sup>2</sup> un poliestera pārklājumu SP 15, biezums 15 µm |
| Ēkās, kuru iekšējās vides korozijas aktivitātes kategorija saskaņā ar standartu EN ISO 12944-2 ir C1, C2, C3 un saskaņā ar standartu EN 10169 – A1, A2, A3 | Tērauda loksnes ar cinka pārklājumu 275 g/m <sup>2</sup> un poliestera pārklājumu SP 25, biezums 25 µm |

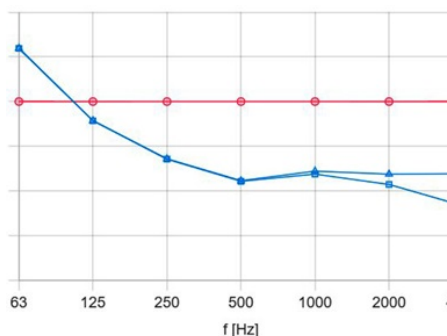
## Projektēšanas rīki



### Nesošo profilu dimensionēšanas programma Poimu

Jumta nesošo profillokšņu dimensionēšanas programmatūra Poimu ļauj Jums optimizēt atbilstoša produkta izvēli saskaņā ar Eurocode normatīviem. Vienkārši definējot dažus aprēķina pamata izejas datus, Jūs varat izvēlēties nesošo profillokšni savām vajadzībām no Ruukki profilu klāsta. Šis ātras optimizācijas rīks aptver viena laiduma, divlaidumu un nepārtrauktas struktūras risinājumu, kā arī sniedz optimālu risinājumu attiecībā uz to, kāda biezuma loksne jāizmanto, kā arī precīzu tās garumu.

[Doties uz Poimu programmatūru](#)



## Ruukki® akustiskā risinājuma tāmēšanas rīks

Uzziniet, kas ir Jums piemērotākais materiāls. Izmēģiniet mūsu tāmēšanas rīku nākamajam projektam. Ievadot ēkas izmērus un materiālu parametrus Ruukki® akustiskā risinājuma tāmēšanas rīkā, ir iespējams uzzināt, kura konfigurācija nodrošina attiecīgajam projektam optimālus rezultātus.

[Doties uz novērtēšanas rīku](#)

## Acoustic perforation

### Acoustic absorption coefficient, absorption class and sound insulation

Find detailed acoustic information from <https://www.ruukki.com/sound-environment> where is collection of products, guide and measured values are available.

### Corrosion resistance

Due to requirement regarding corrosion resistance perforated steel sheets may be applied only indoors and as follows:

Galvanized steel sheets with zinc coating 275 g/m<sup>2</sup> or galvanized steel sheets with zinc coating 100 g/m<sup>2</sup> or 275 g/m<sup>2</sup> together with organic coating SP 25 (polyester 25 µm) - in corroding medium C1 and C2 as per EN ISO 12944-2.

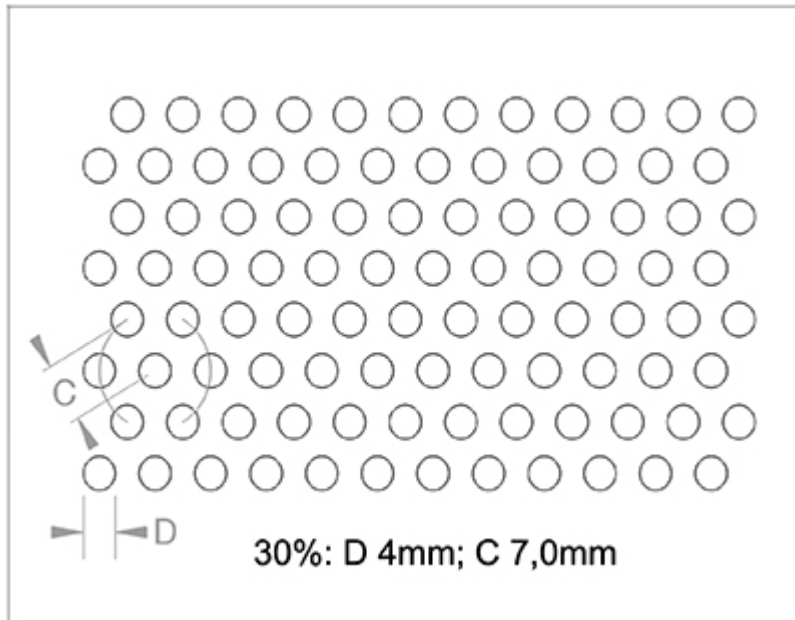
### Load bearing profile application

Load bearing profiles are usually applied in multi layer roofing constructions. Sound absorption can be improved and adjusted by profile perforation selection and insulation layer selection. Perforation leads to improved sound absorption that can greatly improve indoor acoustic conditions; reduction of sound reverberation time and background noise level even without extra acoustic layers and involved costs.

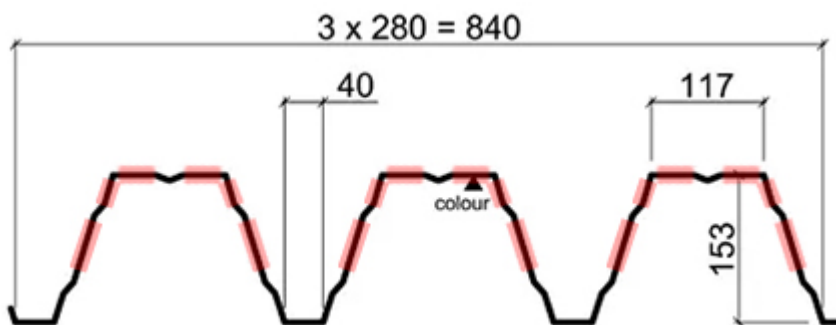
Use of POIMU software enables trapezoidal sheets within a structure to be dimensioned and optimized with perforated profiles too. For more information on POIMU visit [Ruukki Design Tools](#).

### Perforation pattern

T153 AcuB (web and flange perforation) is made with 30% perforation for optimized acoustic performance.



Perforation location for T153 AcuB profile marked with red.



## Tehniskie dokumenti



### Safety anchor EC type examination certificate

PDF, 66,1 KB

Here you can find all technical documents related to Ruukki's load-bearing sheets. Documents are organised by document type. Click to enter document library.

**Produkta apraksts**



**Papildelementi**



**Detail drawings**



**Installation  
instructions**



**Maintenance  
instructions**



## **Sertifikāti un apstiprinājumi**

Here you can find all certificates and approvals related to Ruukki's load-bearing sheets. Documents are organised by document type. Click to enter document library.

**Declaration of  
performance**



**Vides produktu  
deklarācija**

