

LOAD-BEARING SHEET T153-40L-840



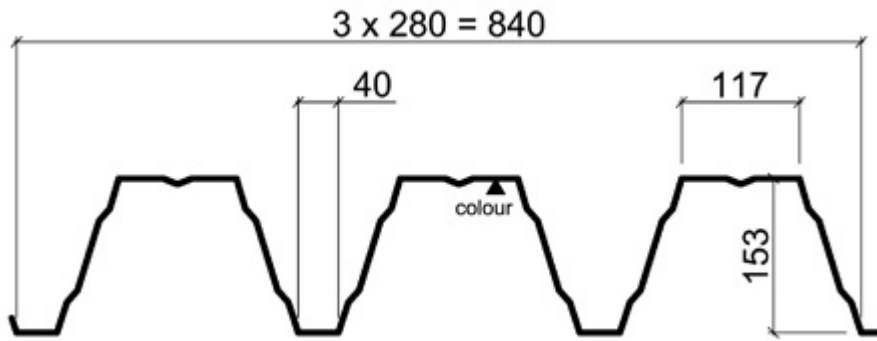
Height and optimal geometry of the T153 makes it the strongest load-bearing sheet in our portfolio.

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

T153 is targeted for roof structures with spans over 5m.

The information on our website is accurate to the best of our knowledge and understanding. Although every effort has been made to ensure accuracy, the company cannot accept any responsibility for any direct or indirect damages resulting from possible errors or incorrect application of the information of this publication. We reserve the right to make changes.

PROPERTIES



| | |
|------------------------|--|
| Model name | Load-Bearing Sheet T153-40L-840 |
| Product Code | T153-40L-840 |
| Height | 153 mm |
| Width Of Valley | 40 mm |
| Width Of Crown | 117 mm |
| Modular Width | 840 mm |
| Minimum Length | 800 mm |
| Maximum Length | 18300 mm |
| Typical Span | >5 m |
| Quality Control | Factory production control according to EN14782 and EN1090-1 |
| Tolerances | Profile sheet: EN 14782 and EN 1090-2 |
| CE Marking | EN1090-1 |
| Execution Class | EXC1, EXC2, EXC3 |

MATERIALS

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| 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 | C1-C2 | - | - | 9.81 |
| 0.7 | S350 | Z100 | Polyester 15 | C1-C2 | - | RR20 | 9.81 |
| 0.7 | S350 | Z275 | Polyester 25 | C1-C3 | C2-C3 | RR20 | 9.81 |
| 0.8 | S420 | Z275 | Galvanized | C1-C2 | - | - | 11.21 |
| 0.8 | S350 | Z100 | Polyester 15 | C1-C2 | - | RR20 | 11.21 |
| 0.9 | S350 | Z275 | Galvanized | C1-C2 | - | - | 12.62 |
| 0.9 | S350 | Z100 | Polyester 15 | C1-C2 | - | RR20 | 12.62 |
| 1.0 | S350 | Z275 | Galvanized | C1-C2 | - | - | 14.02 |
| 1.0 | S350 | Z100 | Polyester 15 | C1-C2 | - | RR20 | 14.02 |
| 1.0 | S350 | Z275 | Polyester 25 | C1-C3 | C2-C3 | RR20 | 14.02 |
| 1.0 | S350 | Z275 | Pural | - | C2-C4 | RR23 | 14.02 |
| 1.2 | S350 | Z275 | Galvanized | C1-C2 | - | - | 16.82 |
| 1.2 | S350 | Z100 | Polyester 15 | C1-C2 | - | RR20 | 16.82 |
| 1.5 | S350 | Z275 | Galvanized | C1-C2 | - | - | 21.03 |
| 1.5 | S350 | Z100 | Polyester 15 | C1-C2 | - | RR20 | 21.03 |

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

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/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 |

ACCESSORIES

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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, 4.57 MB

DESIGN TOOLS

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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 LOAD BEARING SHEETS FOR REVIT ENVIRONMENT

[Download BIM objects](#)

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



06 MAY, 2016
Composite-sheet-detail-drawings
DWG, 107.53 KB

DETAIL DRAWING (.PDF)



06 MAY, 2016
Ruukki_load-bearing_sheet-drawings
PDF, 7.32 MB



06 MAY, 2016
Composite-sheet-detail-drawings
PDF, 15.12 KB

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-Safety_Anchor_Manual
PDF, 1.45 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-Vimpeli-LBS
PDF, 234.97 KB



06 MAY, 2016

DoP 10PPZYR
PDF, 242.57 KB