

Composite sheet CS48-36-750

Ruukki's Composite profile CS48-36-750 is intended to be used as reinforcement in concrete slabs. During casting the sheet works as formwork, Steelcomp can be used as a ceiling surface beneath the slab due to its aesthetic design; and therefore, a suspended ceiling is not necessary needed.

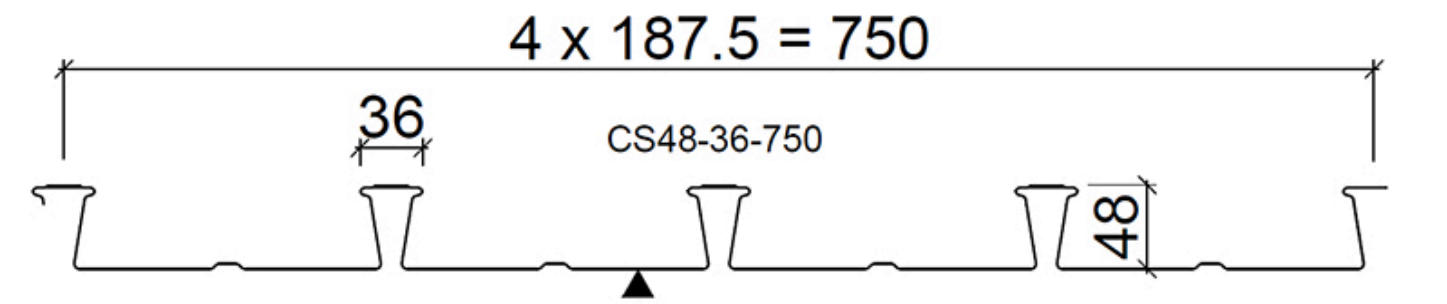
Applications:

- Office construction
- Public construction
- Industrial construction
- Warehouse construction
- Renovation construction



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Properties



| | |
|-----------------|---|
| Model name | Composite sheet CS48-36-750 |
| Product code | CS48-36-750 |
| Height | 48 mm |
| Width of crown | 36 mm |
| Effective width | 750 mm |
| Minimum length | 400 mm |
| Maximum Length | 12000 mm |
| 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 |

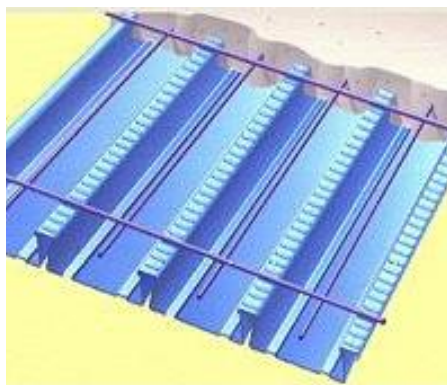
Materials

| 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 | - | - | 9.16 |
| 0.9 | S350 | Z275 | Galvanized | C2 | - | - | 11.78 |
| 0.9 | S350 | Z275 | Polyester | C3* | C3 | RR20 | 11.78 |
| 1.1 | S350 | Z275 | Galvanized | C2 | - | - | 14.39 |
| 1.1 | S350 | Z275 | Polyester | C3* | C3 | RR20 | 14.39 |

*) For perforated sheetings C2

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

Design tools



ComSlab software for designing composite slabs

The software is meant to be used as a design tool for Ruukki's SteelComp composite slabs. The complete capacity verification for a composite slab can be done, including also design for fire exposure. The user can optimise the construction during the design and select the cost-optimal composite slab for each application.

[Go to ComSlab software](#)

Technical documents

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.

**Accessory
documents**



**Installation
instructions**



**Detail
drawings**



**Technical
manuals**



**Maintenance
instructions**



Certificates and approvals

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**



**Environmental
product
declaration**

