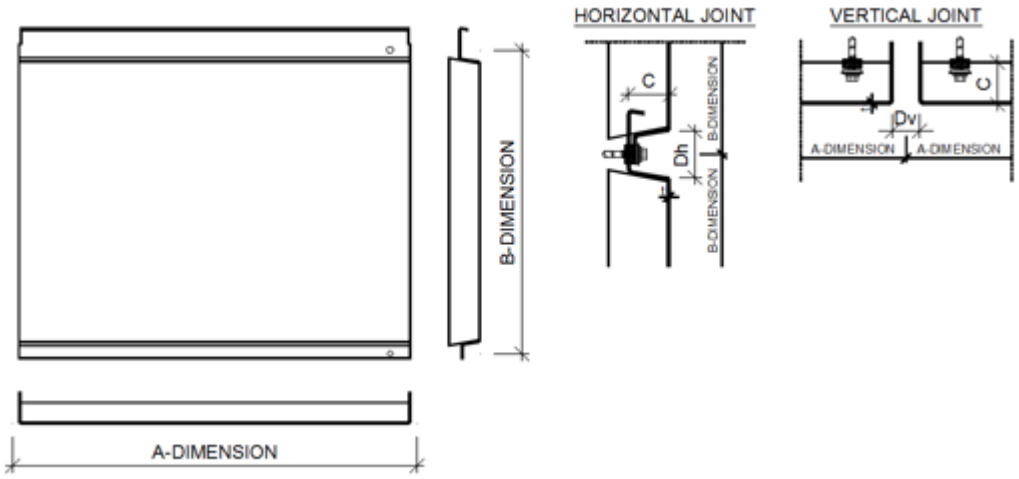
# Liberta Cor-Ten 600

Create a harmonious, rusty layout with Liberta Cor-Ten 600 for ventilated Cor-Ten facade systems.

**Ruukki® Emotion**
Available also with perforation and backlighting.

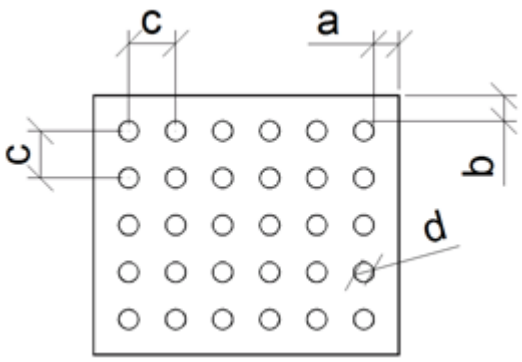
SEND CONTACT REQUEST

# Properties




| | |
|---|---|
| **Model name** | Liberta Cor-Ten 600 |
| **Depth** | 30 mm |
| **Horizontal joint** | 34 mm |
| **Vertical joint** | 10, 15, 20, 25, 30 mm |
| **Fastening Style** | Visible |

## Perforation layout




| Dimension/hole | mm |
|---|---|
| a | ≥10 |
| b | ≥10 |

| | |
|---|---|
| c | ≥ d+25 |
| d | 16, 20, 30, 40, 50, 60 |

Symmetrical perforation: Fully perforated in symmetrical square layout. Only 1 hole size (d) and distance (a, b, c) per product.

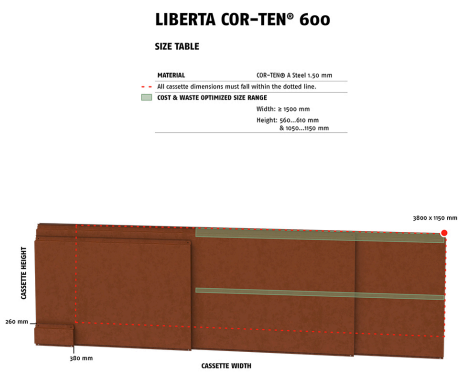
Art perforation: Fully or partly perforated in freely chosen locations. All hole sizes (d) and distances (c) available per product.

### Size table

Click on the picture to see full resolution.

**Material**:

- COR-TEN® A Steel 1.5 mm




# Materials

| Material | Material thickness (mm) | Weight (kg/m$^2$) | Surface treatment | GWP A1-A3 (kg $CO_2$ equiv./m$^2$) | Reaction to fire |
|---|---|---|---|---|---|
| Steel Cor-Ten A * | 1.5 | 13.6 | - | 38.1 | A1 |

Due to its unique chemical composition, Cor-Ten weather-resistant structural steel sheet has a significantly better ability to resist atmospheric corrosion than similar general structural steels. Weather-resistant steel is used in architectural applications without requiring any separate surface treatment. Use of weather-resistant steel thus eliminates the need for surface treatments during the

manufacturing and operational periods, in turn lowering the environmental load and costs throughout the product's life cycle.

The weather resistance of the product is due to its oxide layer i.e. the patina which forms on the steel surface which is resistant to the action of alloys and has low oxygen permeability. The oxide layer is created when weather-resistant steel is wetted and dried repeatedly. The protective surface layer forms in normal weather conditions within 18…36 months. The patina layer is initially reddish brown in colour, becoming darker in tone over the course of time. In industrial environments the patina forms more rapidly on the steel and darkens more than in cleaner rural environments. The protective patina layer cannot form, however, if the surface of the steel is continuously damp or dirty.

Cor-Ten A grade steel is used for the manufacture of panels (S355J0WP-COR-TEN A).

## BIM objects

# Download documents

## Declaration of performance

Ruukki Cor-Ten facades - Certification
PDF, 31.8 KB

## Order form

**Ruukki Liberta rainscreen panels order form 2.4**
XLSM, 5.1 MB

## Maintenance instructions

**Ruukki Cor-Ten facades - maintenance instructions**
PDF, 70.3 KB

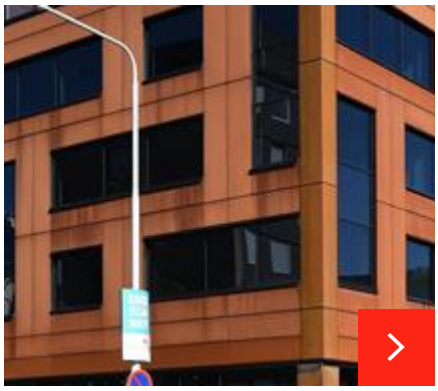
**Ruukki powder coated facade claddings - Maintenance instructions**
PDF, 0.6 MB

**Ruukki colour coated steel - Maintenance instructions**
PDF, 0.6 MB

## Accessory documents

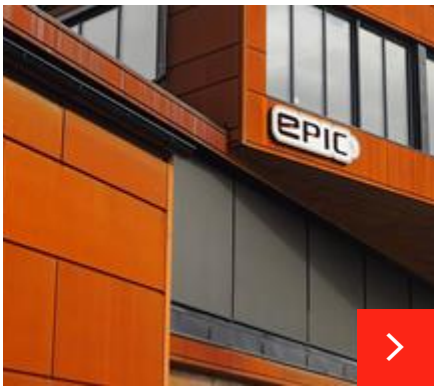
**Facade cladding accessories 10_2022**
PDF, 4.2 MB

# References



### Kymen Lukko, commercial and school building

Expressively vertically and horizontally installed and customized Cor-Ten® 600 cassettes make the façade of this renovation project interesting. The Kymen Lukko...




### Primo office building

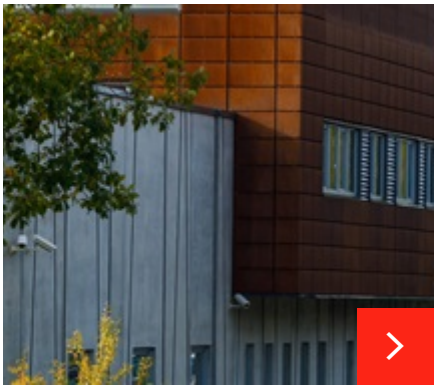
Its shape and facade materials give the Primo office building a striking impact. Cor-Ten weather-resistant steel was selected for the building's facade.


### Fire department Langenzenn

Ruukki delivered facade cladding for a new building of the fire department and city archives in Langenzenn, Germany. Around 650 m2 of Liberta Cor-Ten 600 rainsc...

### Public building – Majåkerskolan school

Ruukki supplied Liberta Cor-Ten 600 rainscreen panels and substructure for a façade for a new building.



### Joint building of the Emergency Response Centre and the Rescue Board in Tartu, Estonia

The building complex consists of a 3-storey building housing the Southern Emergency Response Centre, the Southern Rescue Centre, the Annelinna Rescue Command an...

See all rainscreen panel references

## Visualization tool

### Visualize your idea

Get inspired on how our façade cladding products come live in a building façade. Find your own combination of surface structures, patterns, colors and materials.

Go to visualization tool