

## Liberta Cor-Ten 600

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

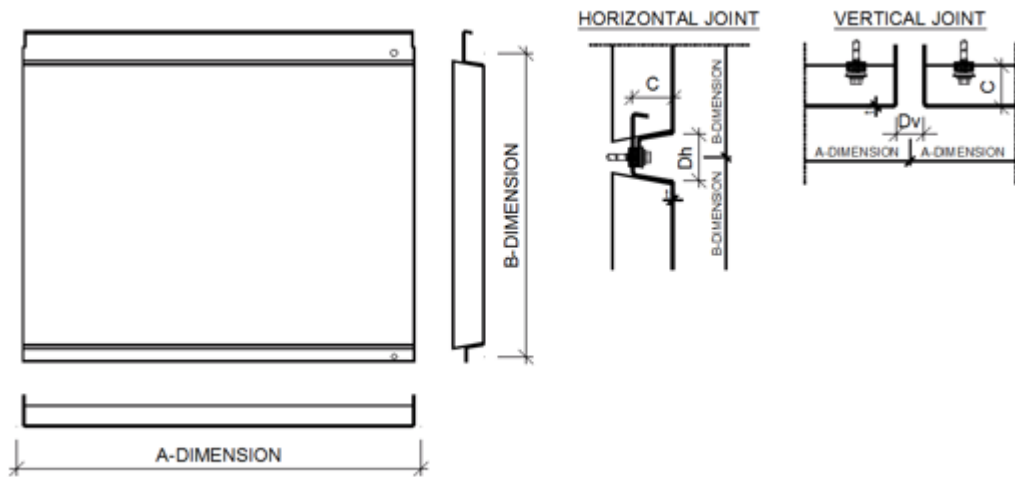
### **Ruukki® Emotion**

Available also with perforation and backlighting.



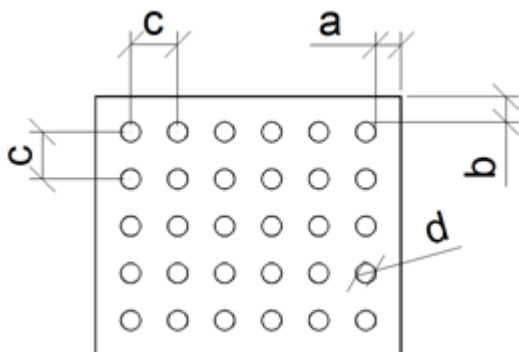
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# Properties



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

**Size table**  
**Liberta Cor-Ten® 600**  
Material: COR-TEN® A steel 1.50 mm

**Optimal size range:**

- Width: ≥ 1500 mm
- Height: 560...610 mm & 1050...1150 mm

**Special size range:**

- Width: 100...380 mm
- Height: 100...235 mm

**Minimum sizes:**

- Width: 100 mm
- Height: 100 mm

## Materials

Material	Material thickness (mm)	Weight (kg/m <sup>2</sup> )	Surface treatment	Reaction to fire
Steel Cor-Ten A *	1.5	13.6	-	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 BIM objects to your desktop

ProdLib brings Ruukki products as BIM models directly to your desktop in 3D form for design programs AutoCAD, Autodesk Revit, Archicad and Tekla Structures. Product libraries compile all necessary design models and detailed drawings in one place. Library updates are automatically notified, so as a user you can be sure that your product information is constantly up to date. ProdLib can also be used as a standalone desktop application.

[Go to BIM library](#)

## Download documents

### Declaration of performance



**Ruukki Cor-Ten facades - Certification**

PDF, 31.8 KB

## Order form



**Ruukki Liberta rainscreen panels order form\_2.2.4**

XLSM, 4.5 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

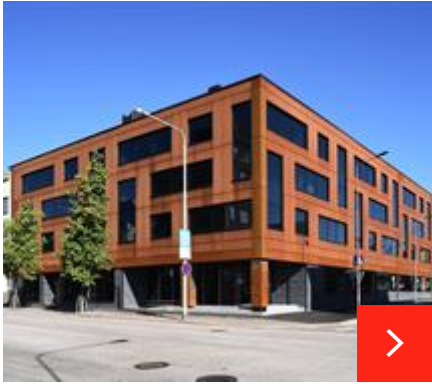
## Accessory documents



**EN\_Cladding\_Accessories\_02\_2020**

PDF, 3.6 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 m<sup>2</sup> of Liberta Cor-Ten 600 rainsc...



## Public building – Majäkerskolan school

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

[See all rainscreen panel references](#)