

## LIBERTA COR-TEN 700



Create a harmonious, rusty layout with Liberta™ Cor-Ten 700 for ventilated Cor-Ten facade systems.

### BE INSPIRED!

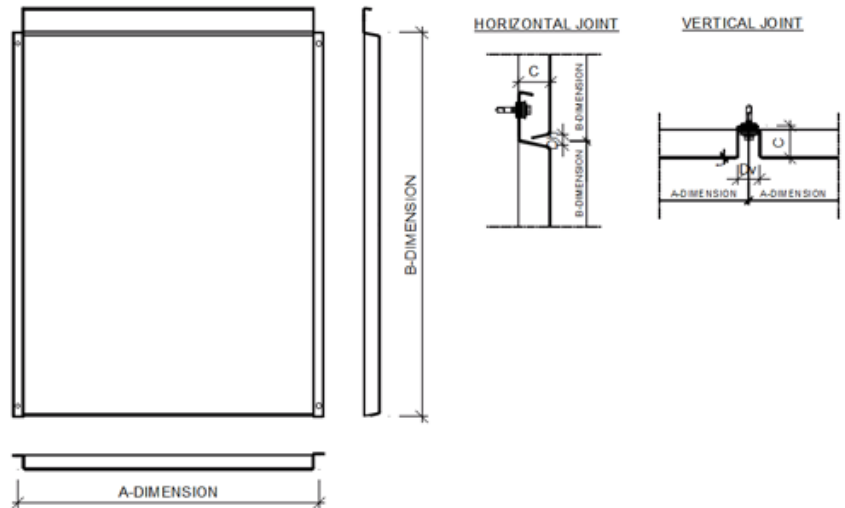
Experience the shape and the detail on the finished facade surface. Energise your facade with Liberta solar panels. Visualize the materials and colours in different lighting, and from various perspectives, with the Ruukki Design Palette Visualiser.

#### **Ruukki® emotion**

Available also with perforation and backlighting.

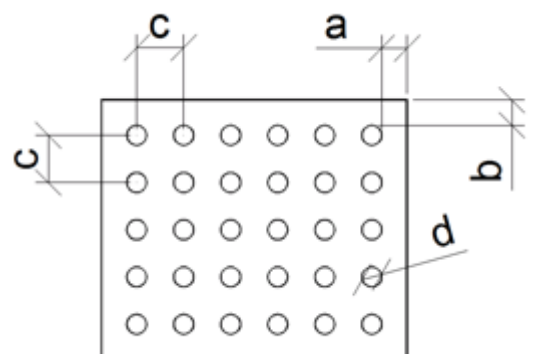
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# PROPERTIES



<b>Model name</b>	Liberta Cor-Ten 700
<b>Depth</b>	30 mm
<b>Horizontal joint</b>	10 mm
<b>Vertical joint</b>	20, 25, 30 mm
<b>Fastening holes shape</b>	Round
<b>Fastening holes diameter</b>	10 and 8 mm
<b>Fastening style</b>	Standard fix

## PERFORATION LAYOUT

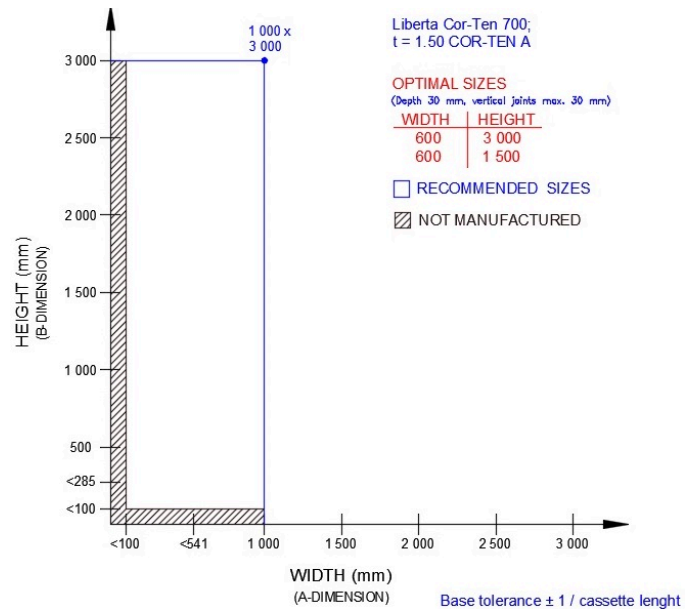


Dimension/hole	mm
a	≥10
b	≥10
c	d+15, d+25, d+30
d	12, 16, 20, 30

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.

## MATERIAL STEEL COR-TEN 1.50 MM, PANEL SIZES



## MATERIALS

Material	Material thickness (mm)	Weight (kg/m <sup>2</sup> )	Surface treatment	Reaction to fire
Steel Cor-Ten A *	1.5	14.5	-	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).

## ACCESSORIES

Facade cladding system, completed with flashings, fasteners, and support studs provides a fully finished facade, as well as quick and easy installation.



07 JUN, 2017

EN\_Cladding\_Accessories\_08\_2017

PDF, 2.56 MB

## DESIGN TOOLS

To make both architectural and structural design work easier, with accurate product information in 3D form, we offer a selection of CAD / BIM -objects and software tools to be downloaded from the Software Toolbox portal.

## READY MODELLED BIM OBJECTS

Download objects for ArchiCAD

Download objects for Revit

## DETAIL DRAWINGS (.DWG)



06 MAY, 2016

Ruukki\_Liberta\_rainscreen\_panels\_detail\_drawings\_DWG

ZIP, 3.34 MB

## DETAIL DRAWINGS (.PDF)



06 MAY, 2016

Ruukki\_Liberta\_rainscreenpanels\_design\_manuals\_PDF

ZIP, 1.18 MB



06 MAY, 2016

Ruukki\_Liberta\_rainscreen\_panels\_detail\_drawings\_PDF

ZIP, 8.87 MB

# INSTRUCTIONS

## ORDER FORMS



06 MAY, 2016

Ruukki\_Liberta\_rainscreen\_panels\_order\_forms\_XLS  
ZIP, 10.97 MB

## ASSEMBLY INSTRUCTIONS

Assembly instructions document includes information about:

- Packing
- Transportation and unloading
- Storing
- Assembling.

## TOLERANCES



15 JUN, 2016

Facade cladding installation and base tolerances\_24\_11\_2016  
PDF, 96.03 KB



15 JUN, 2016

Rainscreen panel product tolerances 24.11.2015  
PDF, 51.23 KB

## CERTIFICATES & APPROVALS



06 MAY, 2016

Ruukki\_Liberta\_rainscreen\_panels\_order\_forms\_XLS  
ZIP, 10.97 MB

## REFERENCES



### MODERN APARTMENT BUILDING IN ESTONIA

The main entrance and parking spaces attract attention with Art perforated Liberta Cor-Ten 700 cassettes with backlighting. Rye straws fit to the surroundings perfectly and contribute to the bohemian environment...

[View case](#)