

CLADDING LAMELLA COR-TEN 20



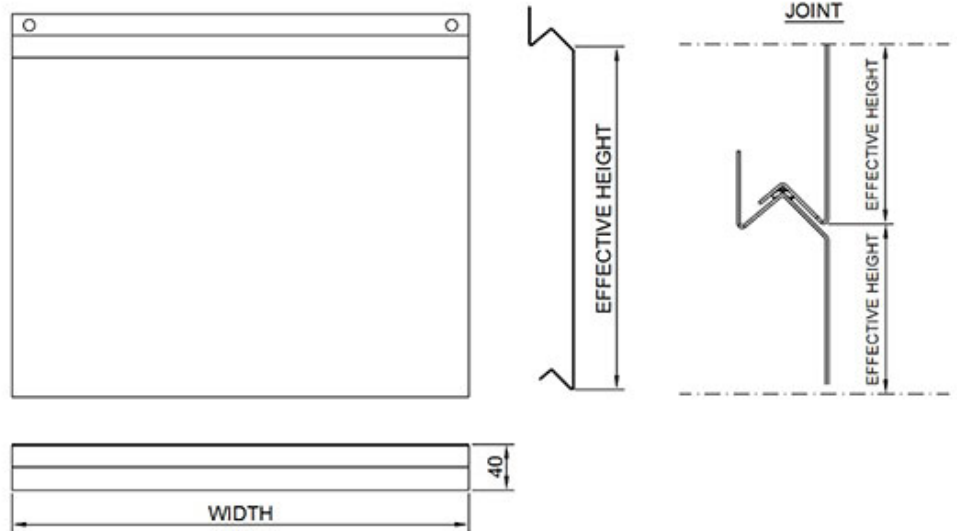
Create a grooved, rusty surface with Lamella Cor-Ten 20 for ventilated Cor-Ten facade systems.

Ruukki® emotion

Available also with perforation and backlighting.

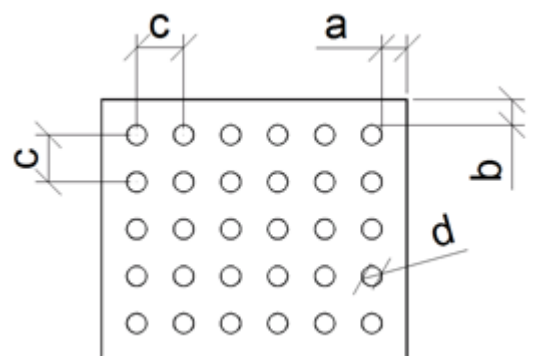
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PROPERTIES



Model name	Cladding Lamella Cor-Ten 20
Fastening holes shape	Round
Fastening style	Hidden fix
Effective height	Standard 300 (150...600) mm
Width	150...3000 mm
Depth	40 mm

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.

MATERIALS

Material	Material thickness (mm)	Weight (kg/m ²)	Surface treatment	Reaction to fire
Steel Cor-Ten A	1.5	14.8	-	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_01_2020
PDF, 3.38 MB

DESIGN TOOLS

DESIGN SOFTWARE AND BIM OBJECTS

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_cladding_lamellas_detail_drawings_DWG
ZIP, 5.22 MB

DETAIL DRAWINGS (.PDF)



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Ruukki_cladding_lamellas_design_manuals_PDF
ZIP, 1.13 MB



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Ruukki_cladding_lamellas_detail_drawings_PDF
ZIP, 19.57 MB

INSTRUCTIONS

ORDER FORMS



06 MAY, 2016

Ruukki cladding lamellas order form
XLSM, 1.76 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

CERTIFICATES & APPROVALS