

Cladding Lamella Cor-Ten 20

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

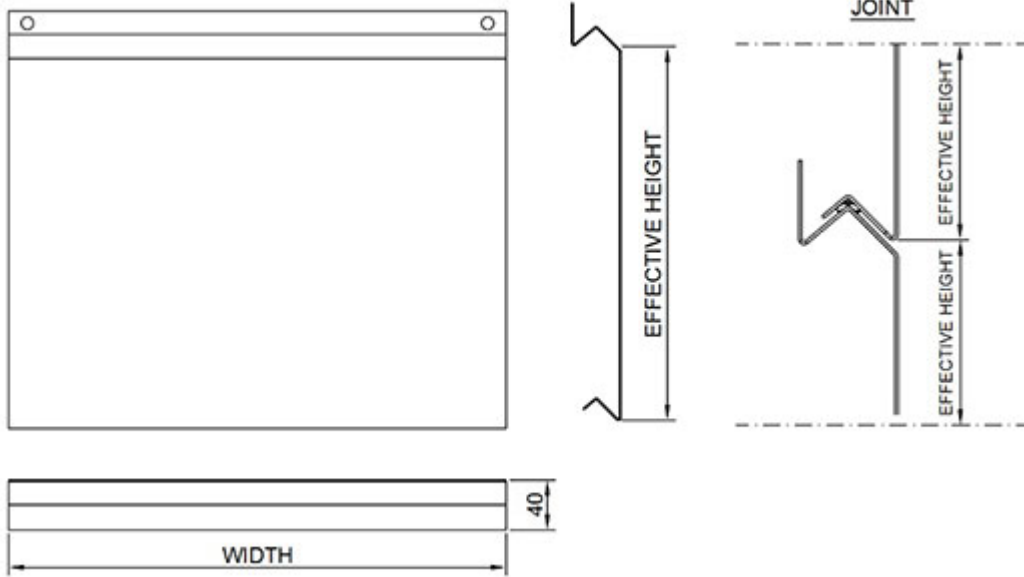
Ruukki® Emotion

Available also with perforation and backlighting.



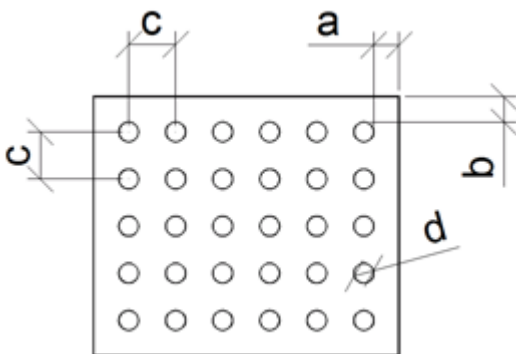
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Properties



Model name	Cladding Lamella Cor-Ten 20
Effective height	Standard 300 (150...600) mm
Width	150...4000 mm
Depth	40 mm
Fastening Style	Hidden

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.

Materials

Material	Material thickness (mm)	Weight (kg/m ²)	Surface treatment	Reaction to fire
Steel Cor-Ten A	1.5	12.4	-	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



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Download documents

Declaration of performance



[Ruukki Cor-Ten facades - Certification](#)

PDF, 31.8 KB

Order form



[Ruukki cladding lamellas order form_2.3.3](#)

XLSM, 1.0 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

[See all cladding lamella references](#)