

Lamella Cor-Ten 20

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

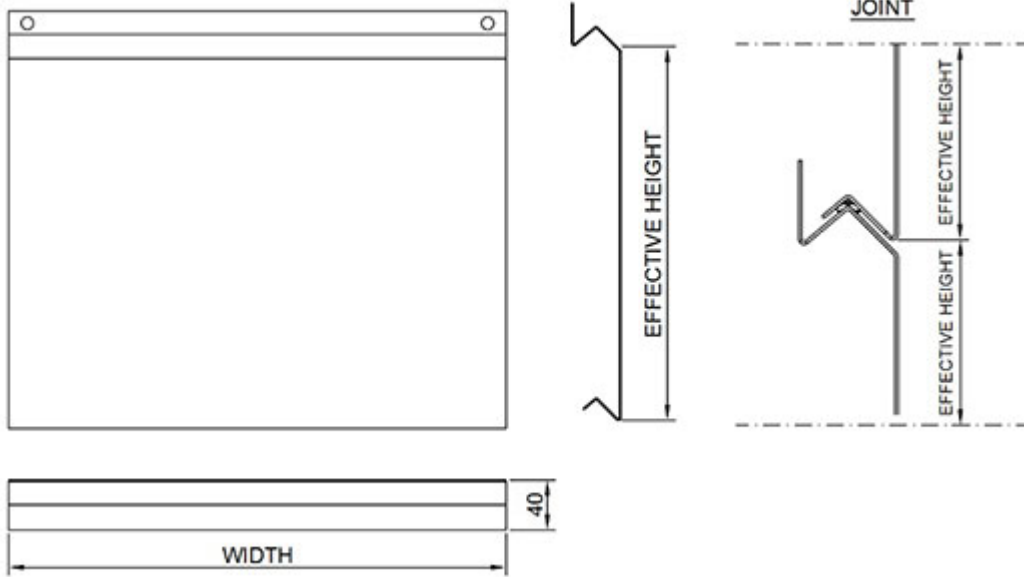
Ruukki® Emotion

Available also with perforation and backlighting.



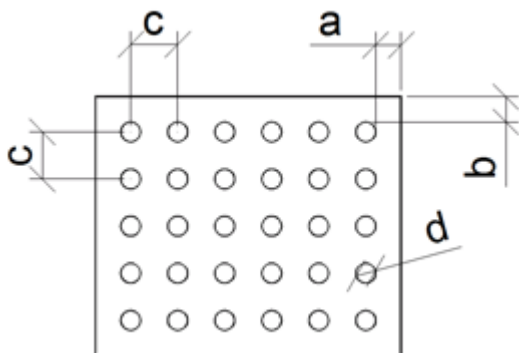
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Properties



Model name	Lamella Cor-Ten 20
Effective height	Cost and waste optimized 560 - 580 mm (min. 150 mm, max. 600 mm)
Width	150...3800 mm
Depth	40 mm
Fastening Style	Hidden fix

Perforation layout



Dimension/hole	mm
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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

Materials

Material	Material thickness (m)	Weight (kg/m ²)	Surface treatment	GWP A1-A3 (kg CO ₂ equiv./m ²)	Reaction to fire
Steel Cor-Ten A	1.5	12.4	-	34.7	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).

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Declaration of performance



Ruukki Cor-Ten facades - Certification

PDF, 31.8 KB

Order form



Ruukki cladding lamellas order form 2.4.5

XLSM, 1.1 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 ENG

PDF, 4.2 MB

References

[See all cladding lamella references](#)