CLADDING LAMELLA GROOVE 20
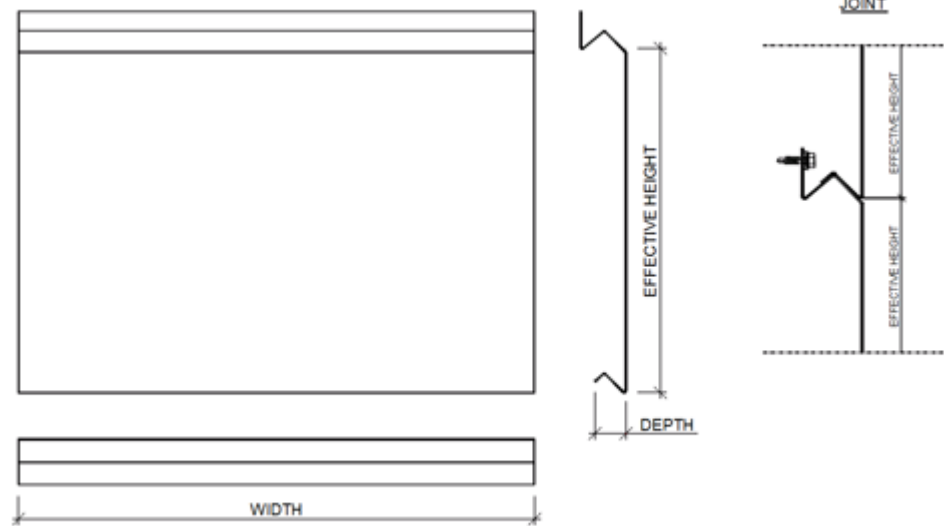
Create a grooved surface with Lamella groove 20 for ventilated steel and aluminium facade systems.

Ruukki® emotion
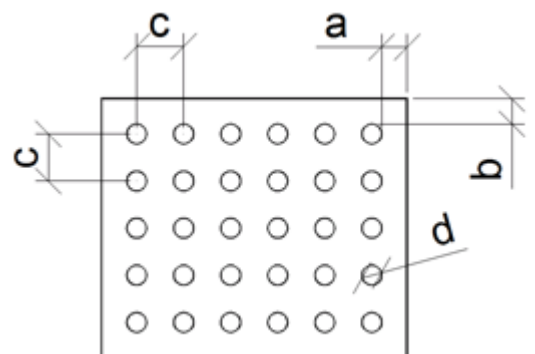Available also with perforation and backlighting.

PROPERTIES

Model name	Cladding Lamella Groove 20
Fastening style	Hidden fix
Starting fillet	Required
Effective height	Standard 300 mm (150 - 300 mm)
Width	150 - 4000 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	Available with perforation	Stock material	Reaction to fire
Steel	1.2	13.1	GreenCoat Hiarc	-	x	A1
	1.2	13.1	Powder coating	x	x	A2 - s1,d0
Aluminium	1.5	5.73	Powder coating	x	-	-
	1.5	5.73	PVDF coating	-	-	-
Rheinzink	1.0	7.2	Pre-patinated (no coating)	x	-	A1
Copper, Brass & Bronze	1.0		Pre-patinated (no coating)	x	-	A1
	1.5		Pre-patinated (no coating)	x	-	A1
Aluminium (Brushed design)	1.5	5.1	Brushed with (semi) transparent coating	x	-	-
Aluminium (Pattern-painted)	1.5	5.1	Painted (multilayer coating)	x	-	-
Stainless steel	1.0	8.0	Natural matt, bead blasted	x	-	A1

|						
			finish + oxidizing (steel grade 304, 316)			
	1.0	8.0	Embossed pattern, oxidizing + brushed finish (steel grade 304, 316)	-	-	A1
	1.0	8.0	Natural matt, brushed finish (4N) (steel grade 304, 316)	x	-	A1

COLOURS & COATINGS

COATINGS

Colour chart	Coating	Colour
Standard	GreenCoat HIARC	RR20, RR21, RR23, RR40, RR41, RR42, RR43
	GreenCoat HIARC Matt	RR40, RR41, RR45
Colourful	GreenCoat HIARC & Powder paint	RR11, RR22, RR24, RR26, RR29, RR30, RR31, RR32, RR33, RR34, RR35, RR36, RR37, RR44, RR45, RR750
	Powder paint	RAL 2000, RAL 2001, RAL 3003, RAL 6019, RAL 6027, RAL 9010
Unique	GreenCoat HIARC & Powder paint	RAL and NCS colours available by request

Also other coating types (e.g. anti-graffiti) are available upon request (non-stock material).
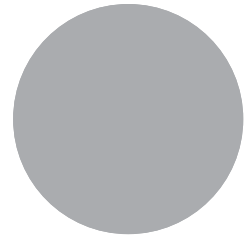
Minimum order sizes:

- Standard chart: No limitations
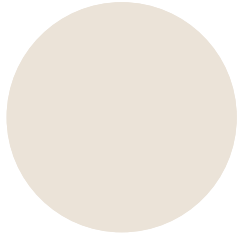- Colourful & unique chart: HIARC 900m2; Powder paint 100m^2
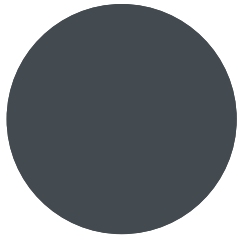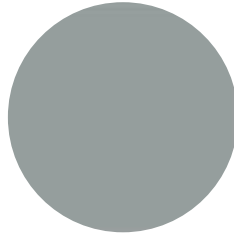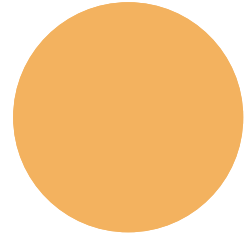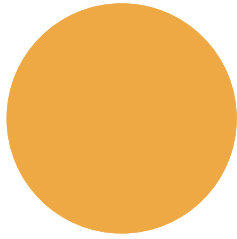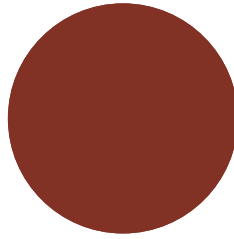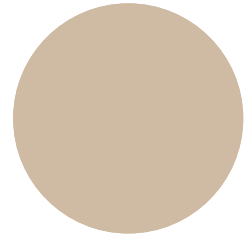
RR23 DARK GREY

RR 11 SPRUCE GREEN

RR21 LIGHT GREY

RR20 WHITE

RR22 GREY

RR24 LIGHT YELLOW
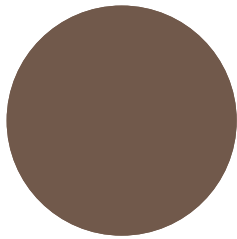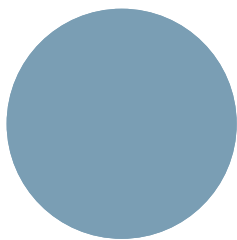
RR26 YELLOW

RR29 RED

RR30 LIGHT BROWN

RR31 BROWN

RR32 DARK BROWN

RR33 BLACK

RR34 LIGHT BLUE
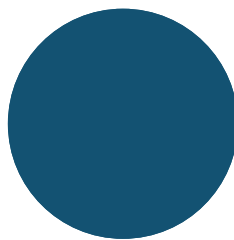
RR35 BLUE
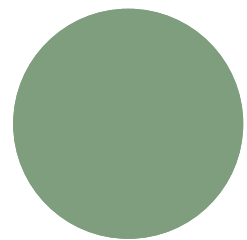
RR36 LIGHT GREEN
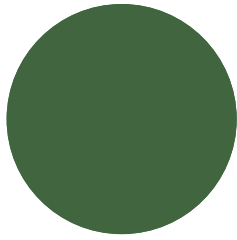
RR37 GREEN

RR40 SILVER MATT

RR41 DARK SILVER MATT

RR42 GOLD

RR43 COPPER

RR44 METALLIC BLUE

RR45 METALLIC GRAPHITE

RR750 TILE RED

ACCESSORIES

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

PDF
07 JUN, 2017
EN_Cladding_Accessories_02_2020
PDF, 3.57 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)

06 MAY, 2016
Ruukki_cladding_lamellas_design_manuals_PDF
ZIP, 1.13 MB

06 MAY, 2016
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

MAINTENANCE INSTRUCTIONS

Maintenance instructions document contains information about:

- Washing
- Painting

06 MAY, 2016
Ruukki colour coated steel - Maintenance instructions
PDF, 600.37 KB

06 MAY, 2016
Ruukki powder coated facade claddings - Maintenance instructions
PDF, 602.18 KB

CERTIFICATES & APPROVALS
DECLARATION OF PERFORMANCE

06 MAY, 2016
Declaration of Performance 25/PP/PAR - Cladding products
PDF, 56.68 KB

REFERENCES

COMMERCIAL BUILDINGS –LOHI SHOPPING CENTER

Lohi is a 3-storey shopping center with a surface area of 22,000 square meters in the center of Lohja and home to 15 stores and 4 restaurants.

View case

MARITIME CENTRE VELLAMO

Maritime Centre Vellamo in Kotka is shaped like a large wave, and its facade sparkles like the rippling surface of water.

View case