

## LIBERTA ORIGINAL 102



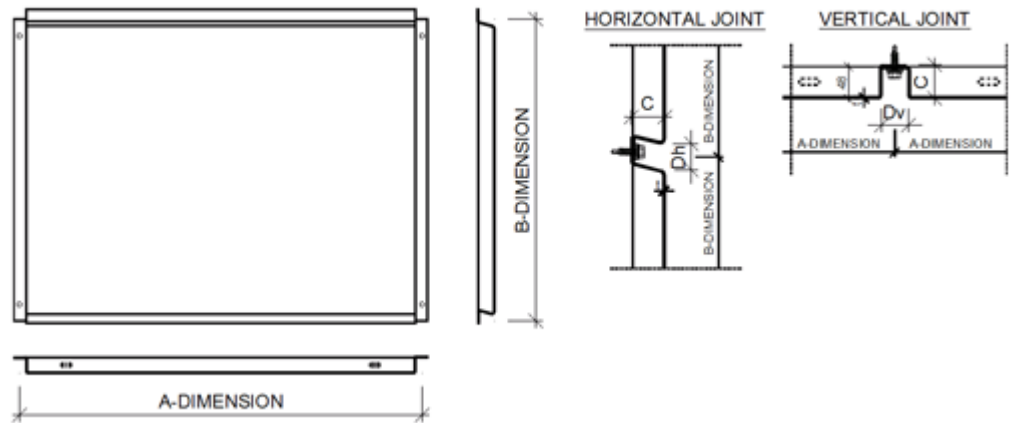
Create a genuine and distinct layout with the Liberta™ original 102 rainscreen panel for ventilated steel and aluminium facade systems.

**Ruukki® emotion**

Also available with perforation and backlighting.

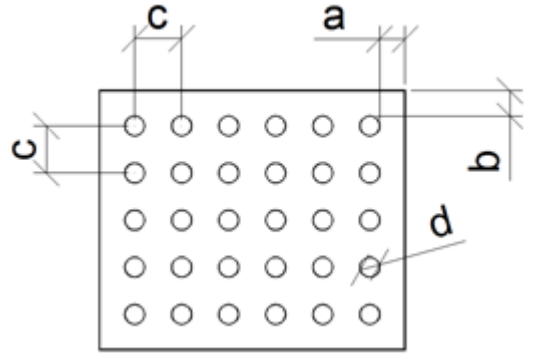
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# PROPERTIES



<b>Model name</b>	Liberta original 102
<b>Depth</b>	20, 25, 30 mm
<b>Horizontal joint</b>	20, 25, 30 mm
<b>Vertical joint</b>	20, 25, 30 mm
<b>Fastening holes shape</b>	Round
<b>Ventilation hole shape</b>	Oval
<b>Fastening holes diameter</b>	7 mm
<b>Ventilation holes size</b>	5 x 15 mm
<b>Fastening style</b>	Standard fix
<b>Starting fillet</b>	Not required

## PERFORATION LAYOUT

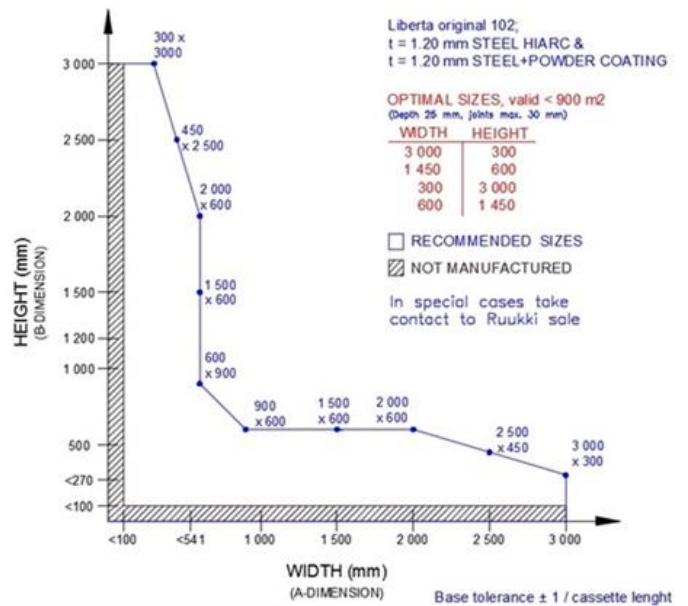


Dimension/hole	mm
a	≥10
b	≥10
c	d+15, d+25, d+30
d	12, 16, 20, 30

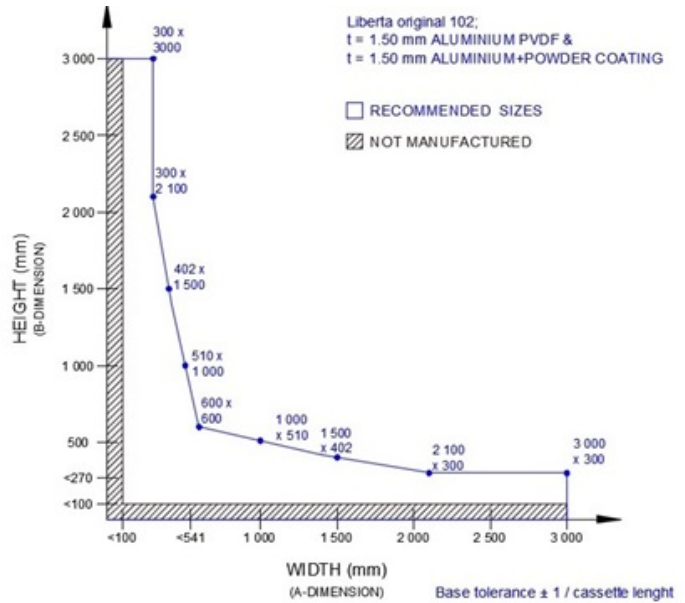
Symmetrical perforation: Fully perforated in symmetrical square layout. Only 1 hole size (d) and distance (a, b, c) per product.

Art perforation: Fully or partly perforated in freely chosen locations. All hole sizes (d) and distances (c) available per product.

## MATERIAL STEEL 1.20 MM, PANEL SIZES



## MATERIAL ALUMINIUM 1.50 MM, PANEL SIZES



## MATERIALS

Material	Material thickness (mm)	Weight (kg/m <sup>2</sup> )	Surface treatment	Available with perforation	Stock material	Reaction to fire
Steel	1.2	11.6	GreenCoat Hiarc		x	A1
	1.2	11.6	Powder coating	x	x	A2 - s1, d0
Aluminium	1.5	5.1	Powder coating	x	-	-
	1.5	5.1	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	1.5	5.1	Brushed with	x	-	-

(Brushed design)			(semi) transparent coating			
Aluminium (Pattern-painted)	1.5	5.1	Painted (multilayer coating)	x	-	-
	2.0	6.8	Painted (multilayer coating)	x	-	-
Stainless steel	1.0	8.0	Natural matt, bead blasted finish + oxidizing (steel grade 304, 316)	x	-	A1
	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

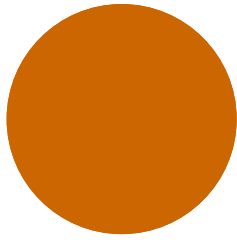
Colour chart	Coating	Colour
Standard	GreenCoat HIARC	RR20, RR21, RR23, RR40, RR41, RR42, RR43
	GreenCoat HIARC Matt	RR40, RR41, RR45
Colourful	GreenCoat HIARC & Powder paint	RR11, RR22, RR24, RR26, RR29, RR30, RR31, RR32, RR33, RR34, RR35, RR36, RR37, RR44, RR45, RR750
Unique	GreenCoat HIARC & Powder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

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

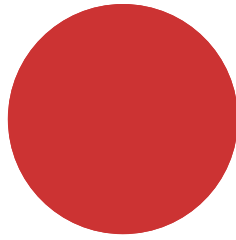
Minimum order sizes:

- Standard chart: No limitations

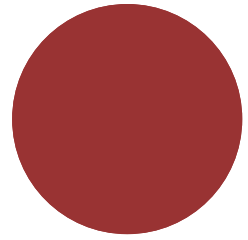
- Colourful & unique chart: HIARC 900m<sup>2</sup>; Powder paint 100m<sup>2</sup>



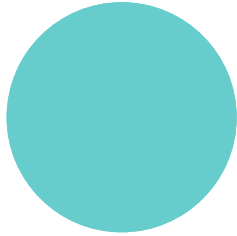
RAL 2000



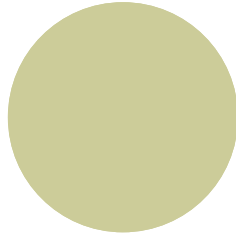
RAL 2001



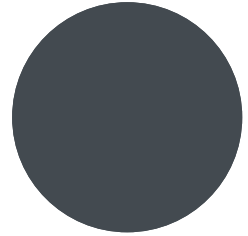
RAL 3003



RAL 6027



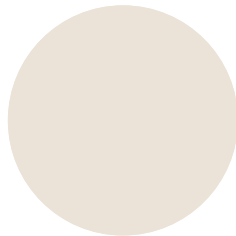
RAL 6019



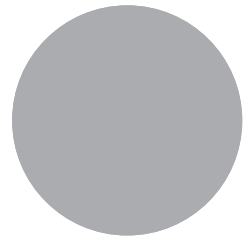
RR23 DARK GREY



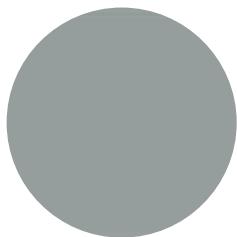
RR 11 SPRUCE GREEN



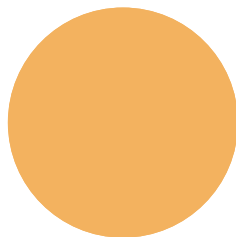
RR20 WHITE



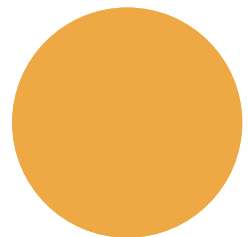
RR21 LIGHT GREY



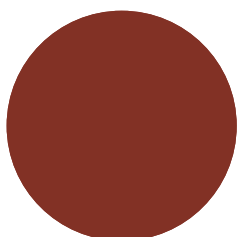
RR22 GREY



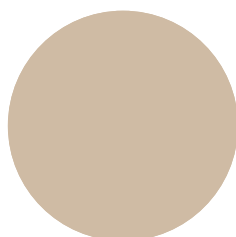
RR24 LIGHT YELLOW



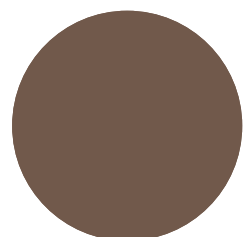
RR26 YELLOW



RR29 RED



RR30 LIGHT BROWN



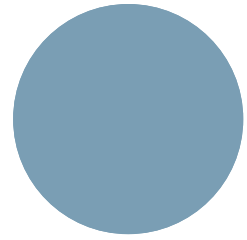
RR31 BROWN



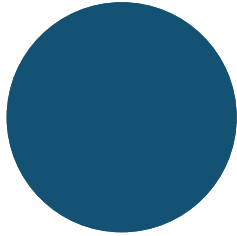
RR32 DARK BROWN



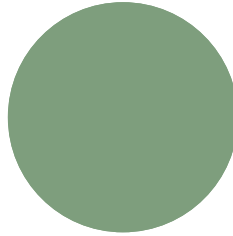
RR33 BLACK



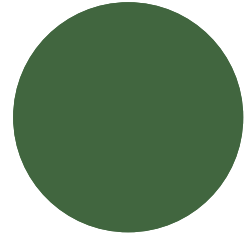
RR34 LIGHT BLUE



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 easy and quick installation.



EN\_Cladding\_Accessories\_02\_2020  
PDF, 3.57 MB

## DESIGN TOOLS

To make both architectural and structural design work easier with accurate product information in 3D form, Ruukki offers 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 form  
XLSM, 3.42 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

## 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



## MALL "APEĻŠINS"

In cooperation with Ruukki, a facade cassette mounting and perforation solution was developed that allowed the desired result - a unique and impressive view of building facades.

[View case](#)