



About Luvata

Luvata is a world-leader in metal fabrication, component manufacturing and related engineering and design services. We are committed to partnering with our customers to help them increase their competitiveness. Our products and services enable our customers to improve their products and operational efficiency and reduce tied-up capital. Because we focus on our customer's results and are unfailingly reliable, we are the partner, on which our customers base their future development. See www.luvata.com/architectural for local contacts in your country.

Copper Solutions for Architecture

LUVATA
Partnerships beyond metals

www.luvata.com



Luvata Nordic Architectural Solutions

..... naturally copper

Copper is a beautiful, durable and timeless material. It has a long lifecycle – when correctly installed copper roofs and facades can last for hundreds of years. Copper needs no re-treatment or maintenance and does not deteriorate with the wear and tear of time, in fact it benefits from the development of the coveted green patina. Being a natural material, copper compliments the use of wood, natural stone and glass. Using copper increases the value of any property and gives it a unique prestige.

Luvata has decades of experience in copper production. Luvata Nordic Products is a brilliant option when you want individual and durable materials for modern constructions. Luvata Nordic Products ensures a long lifecycle for your building and guarantees a great inheritance for future generations.



Luvata Nordic Products



Nordic Standard

Initially copper has a bright red surface, which gradually turns to shades of brown and green when exposed to the environment. This may take tens of years.



Nordic Green PLUS™ Traditional

The Nordic Green PLUS Prepatinated product gives the appearance of naturally weathered façades and roofs. The traditional surface is an even green, similar to a fully developed patina. The living surface has a more mottled and lively pattern representing an early stage of patination.



Nordic Green PLUS™ Living 1



Nordic Green PLUS™ Living 2



Nordic Decor™

Structure-rolled Nordic Decor™ offers an attractive, versatile alternative to smooth copper surfaces. In interior design, Nordic Decor's texture can be used to create a striking effect.



Nordic Brass

Nordic Brass (CuZn20/15) is an alloy of copper and zinc, better known as Tombak. The original golden surface will change to dark brown when exposed as per other copper alloys, with the exception of Nordic Royal.



Nordic Royal™

Nordic Royal is a glamorous new golden alloy. The alloy is a successful mix of copper and aluminum, which gives the metal its characteristic golden colour.



Nordic Blue Traditional

Nordic Blue was created in response to the architects' wishes. It contains patina crystals typified by a bluish colour reminiscent of a marine atmosphere. The original colour of Nordic Blue is light blue. Weather exposure may cause the shade to change to a slightly greener direction. In practice, this only happens on the roof where the amount of rainwater is remarkable. Rainwater is the key driver in this process. Nordic Blue is available also for living surfaces.



Nordic Blue Living 1



Nordic Blue Living 2



Nordic Brown™

The dark brown surface emulates natural oxide in appearance and composition. It provides a consistent and durable finish that helps avoid unsightly handling marks, often associated with newly laid copper. Nordic Brown is available also for Nordic Brown Light surface.



Nordic Brown™ Light

DIMENSIONS:

	Available in coils & range sheets	Maximum width (mm)	Thickness (mm)
Nordic Standard	x	1000	0.4–4.0
Nordic Green PLUS™	x	1000	0.5–1.5
Nordic Green PLUS™ Living 1	x	1000	0.5–1.5
Nordic Green PLUS™ Living 2	x	1000	0.5–1.5
Nordic Decor™	x	1000	0.6–1.0
Nordic Brass	x	1000	by request
Nordic Royal™	x	700	0.5–1.5
Nordic Blue Traditional	x	1000	0.5–1.5
Nordic Blue Living 1	x	1000	0.5–1.5
Nordic Blue Living 2	x	1000	0.5–1.5
Nordic Brown™	x	1000	0.5–1.5
Nordic Brown™ Light	x	1000	0.5–1.5

Luvata Nordic Systems™

Copper lends itself well to both traditional and novel experimental architecture. It is ideal for roofing, façades and interior architecture. This lively metal is a natural material that can be formed to complex shapes effortlessly. Low-maintenance, easy to recycle, durable and elegant, copper complements glass, metal, stone, wood and brick – in fact, just about any construction material. Copper increases property value and symbolizes a good quality of life. With impressively low long-term costs, copper is worth the investment.



As Oy Tampereen Suvantopuisto • QUAD arkkitehdit Oy



Applications & Services

Designer's Tools

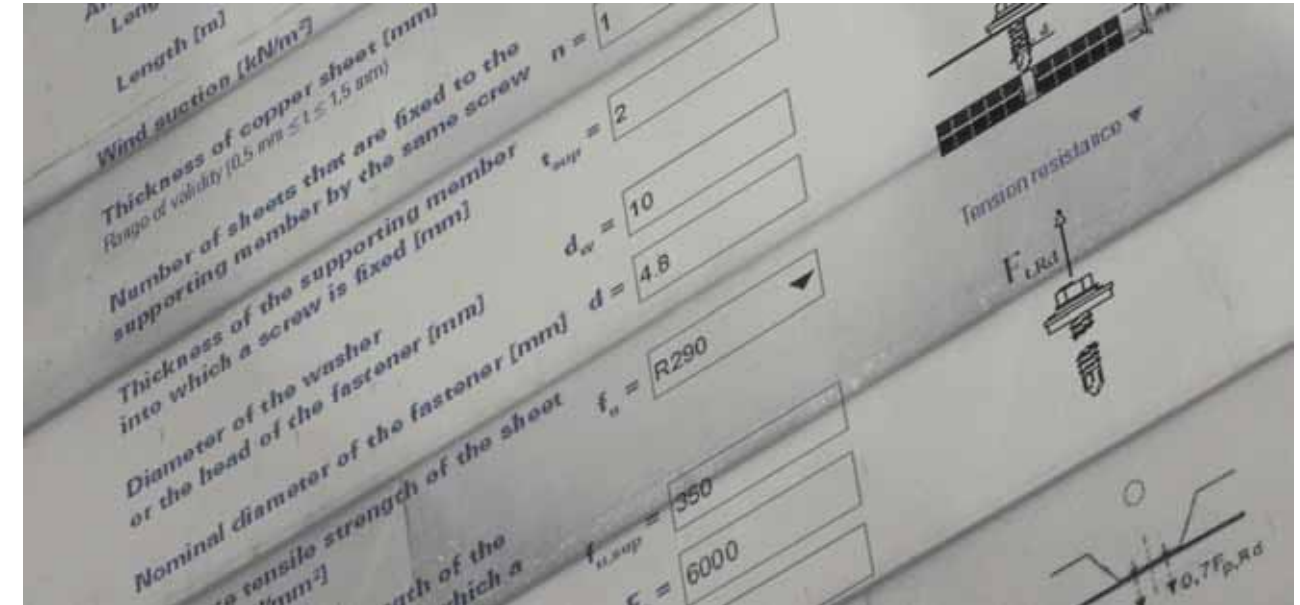
Designer's Tools developed by Luvata, is truly the designer's tool for dimensioning and for detail management. Designs, made with Designer's Tools optimize the whole chain of delivery, from the use of material to the technical implementation. Have a look at Designer's Tools on: www.luvata.com/architectural

Application Engineering

Application Engineering means excellent cooperation with the customer, which adds extra value to the operations of both parties. The technical and logistical solutions achieved are based on an understanding of the whole chain of the customer.

Luvata Nordic Training Center

The Nordic Center education center in Pori offers a full information package on copper construction for the professionals in the field. The training, designed for different target groups, will get you familiar with copper as a material, as well as the Nordic Products™ and the Nordic Systems™. We will moreover look at the heritage and future challenges of copper.



Roofing Systems

You can choose between our standardized Nordic Modular Roofs or ready-to-install, built-to-spec Prefabricated Roofs. Copper can be delivered as either sheets or in coil.



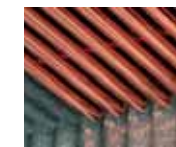
Rainwater and Roof Safety Systems

Nordic Rainwater and Roof Safety Systems are for just about any building. They cover all aspects of drainage from the roof to the ground and complement almost any roofing material.



Facade Systems

Nordic Systems include a wide selection of façade elements: cassettes, panels, fastening systems and formed detail components. We can also fabricate project-specific components.



Interior Systems

Nordic Interior Systems suit any building and cover all aspects of interior construction. Nordic Interior Systems is an excellent alternative for interior construction. The decorative copper louvers and perforated plates, suspended ceilings and cladding panels make for a unique and impressive solution for any space.



Service Concept

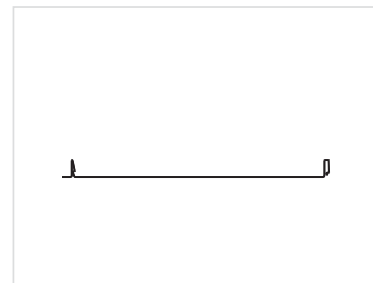
Designer's Tools software helps you speed up the design process. You can get the entire catalogue of Nordic Systems™ products on CD or download it from our site. Components images are supplied in both PDF and DWG formats.

Luvata Nordic Roofing Systems™

A copper roof increases property value and improves the long-term economy. Nordic Prefabricated Roofs and Nordic Modular Roofs are available with Nordic Brown™ or Nordic Green PLUS™ treatment. Copper for traditional standing seam roofs (Nordic Standard Roofs) are supplied cut-to-size or in coils.

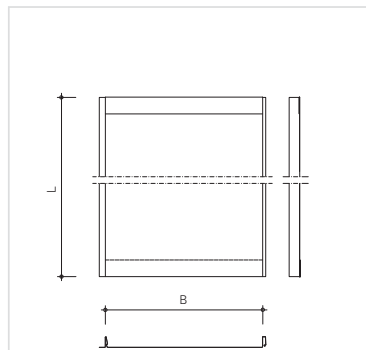


PREFAB ROOF



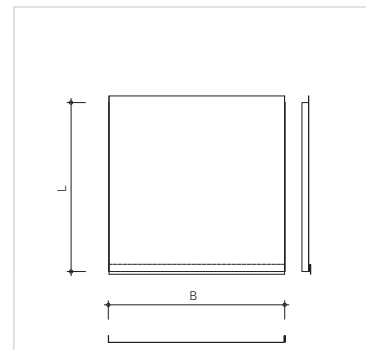
	width	max. length	height
RPRE 101	475 mm	13000 mm	32 mm
RPRE 102	475 mm	13000 mm	32 mm
RPRE 103	504 mm	8000 mm	25 mm
RPRE 104 with stiffener	504 mm	8000 mm	25 mm
RPRE 105	475 mm	8000 mm	38 mm
material thickness: 0.5–0.6 mm			

RMOD 101



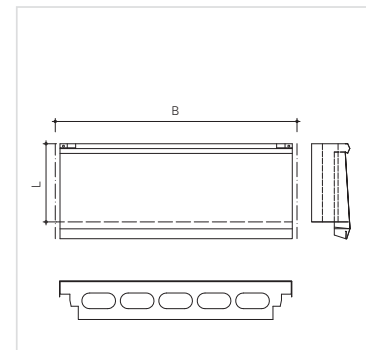
B) width	475 mm
length	800/1600 mm
height	32 mm
material thickness	0.6 mm

RMOD 201



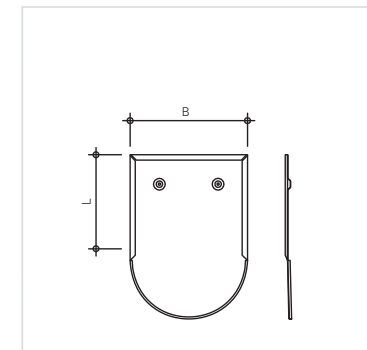
B) width	530 mm
length	510 mm
height	20 mm
material thickness	0.6 mm

RMOD 301



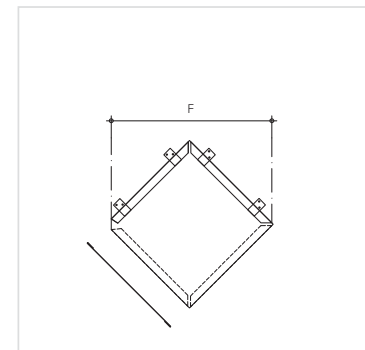
B) width	1000 mm
length	330 mm
height	150 mm
material thickness	0.6 mm

RMOD 401



B) width	200 mm
L) length	160 mm
height	5 mm
material thickness	0.6 mm

RMOD 402



B) width	280 mm
length	280 mm
material thickness	0.6 mm

Luvata Nordic Rainwater and Roof Safety Systems™

It is possible to add copper rainwater and roof safety products onto the Luvata roof systems. The material options are copper with either a bright or patinated surface.



Nordic rainwater systems

Copper is a traditional and valued material for rainwater systems. Nordic rainwater Systems is very suitable both for copper roofs and for other types of roofing material. It comes as a ready package and is quickly installed. The high-quality and durable rainwater system gives the building a look denoting high standard, of which the generations to come can also be proud.



Nordic roof safety systems

Nordic Roof Bridge
The copper roof bridge has a no-slip profile to prevent slipping and it has sufficient snow permeability. This ensures safe moving on the roof even during the difficult conditions of winter.

Nordic Snow Guard

Snow guards efficiently protect terraces, garden paths and plants from snow falling from the roof.

Nordic Roof Ladder

Roof ladders, especially designed for the flat of the roof, ensure that moving on the roof of the building is safe. The stepping surface has a no-slip profile, which provides a trustworthy foothold in the most difficult of conditions.

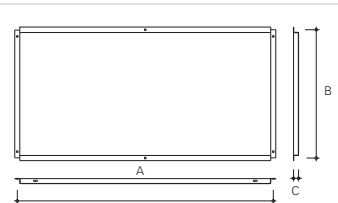
More information on our systems:
www.luvata.com/architectural

Luvata Nordic Facades | Nordic Cassette

We provide complete systems of cassettes, panels and profiles, made from copper sheets. The Nordic Brown™ and Nordic Green PLUS™ treated surfaces are available. Customers may also order panels and profiles designed to non-standard specifications.

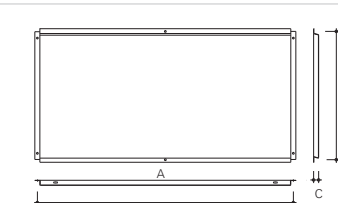


FCAS 101



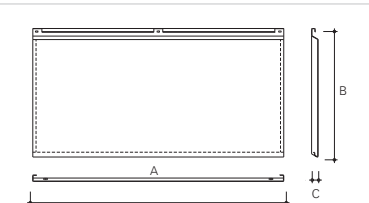
A) width	450–900 mm
B) length	450–2200 mm
C) height	17–60 mm
material thickness	1.0–1.5 mm

FCAS 102



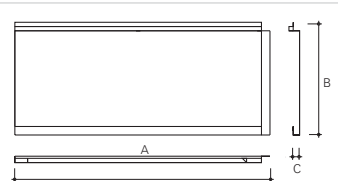
A) width	450–900 mm
B) length	450–2200 mm
C) height	17–60 mm
material thickness	1.0 - 1.5 mm

FCAS 103



A) width	450–800 mm
B) length	450–2200 mm
C) height	25–60 mm
material thickness	1.0–1.5 mm

FCAS 105

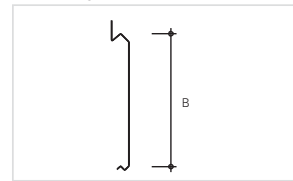


A) width	450–800 mm
B) length	450–2200 mm
C) height	30 mm
material thickness	1.0–1.5 mm

Luvata Nordic Facades | Nordic Panel

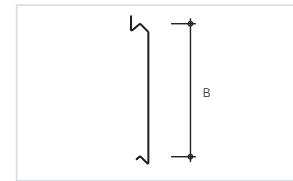


FPAN 101



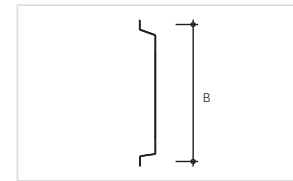
B) width	300 mm
width range	200–300 mm
length	max. 4000 mm
height	40 mm
material thickness	1.0–1.2 mm

FPAN 102



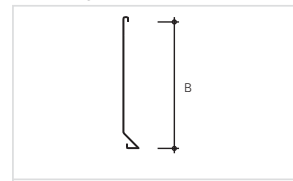
B) width	300 mm
width range	200–300 mm
length	max. 4000 mm
height	40 mm
material thickness	1.0–1.2 mm

FPAN 103



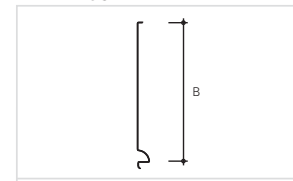
B) width	300 mm
width range	200–400 mm
length	max. 4000 mm
height	40 mm
material thickness	1.0–1.2 mm

FPAN 104



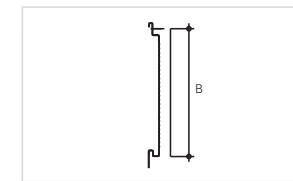
B) width	400 mm
width range	200–600 mm
length	max. 3000 mm
height	40 mm
material thickness	1.0–1.2 mm

FPAN 105



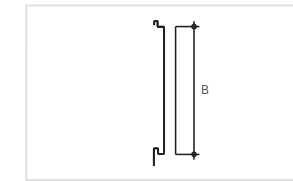
B) width	400 mm
width range	200–600 mm
length	max. 3000 mm
height	35 mm
material thickness	1.0–1.2 mm

FPAN 202



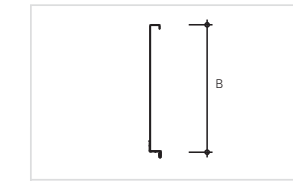
B) width	300 mm
width range	200/250/300/400 mm
length	max. 6000 mm
height	25 mm
material thickness	0.8–1.2 mm

FPAN 203



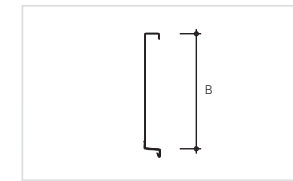
B) width	300 mm
width range	200–400 mm
length	max. 6000 mm
height	25 mm
material thickness	0.8–1.2 mm

FPAN 301



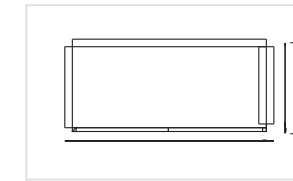
B) width	300 mm
width range	200–400 mm
length	max. 3000 mm
height	25 mm
material thickness	0.8–1.2 mm

FPAN 302



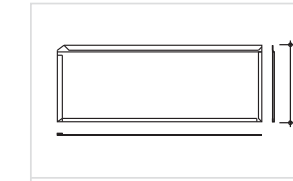
B) width	300 mm
width range	200–400 mm
length	max. 3000 mm
height	40 mm
material thickness	0.8–1.2 mm

FPAN 401



B) width	200 mm
width range	-
length	max. 2000 mm
height	5 mm
material thickness	0.8 mm

FPAN 402




B) width	400 mm
width range	200–400 mm
length	max. 3000 mm
height	5 mm
material thickness	0.8–1.0 mm


Luvata Nordic Facades | Nordic Profiles




FPRO 101

	
width	780 mm
length	max. 3000 mm
height	38 mm
material thickness	0.6–0.7 mm


FPRO 102

	
width	740 mm
length	max. 3000 mm
height	10 mm
material thickness	0.6–0.7 mm

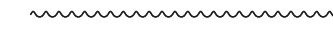
FPRO 103

	
width	660 mm
length	max. 3000 mm
height	10 mm
material thickness	0.6–0.7 mm

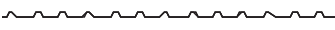
FPRO 104

	
width	660 mm
length	max. 3000 mm
height	13 mm
material thickness	0.6–0.7 mm


FPRO 301

	
width	720 mm
length	max. 8000 mm
height	12 mm
material thickness	0.6–0.7 mm


FPRO 105

	
width	832 mm
length	max. 3000 mm
height	10 mm
material thickness	0.6–0.7 mm


FPRO 201

	
width	800 mm
length	max. 3000 mm
height	21 mm
material thickness	0.6–0.7 mm


FPRO 202

	
width	760 mm
length	max. 3000 mm
height	15 mm
material thickness	0.6–0.7 mm


FPRO 302

	
width	720 mm
length	max. 8000 mm
height	12 mm
material thickness	0.6–0.7 mm


FPRO 303

	
width	720 mm
length	max. 8000 mm
height	12 mm
material thickness	0.6–0.7 mm


FPRO 304

	
width	720 mm
length	max. 8000 mm
height	12 mm
material thickness	0.6–0.7 mm


FPRO 401

	
width	836 mm
length	max. 8000 mm
height	18 mm
material thickness	0.6–0.7 mm


FPRO 402

	
width	777 mm
length	max. 8000 mm
height	26 mm
material thickness	0.6–0.7 mm


FPRO 403

	
width	800 mm
length	max. 8000 mm
height	41 mm
material thickness	0.6–0.7 mm

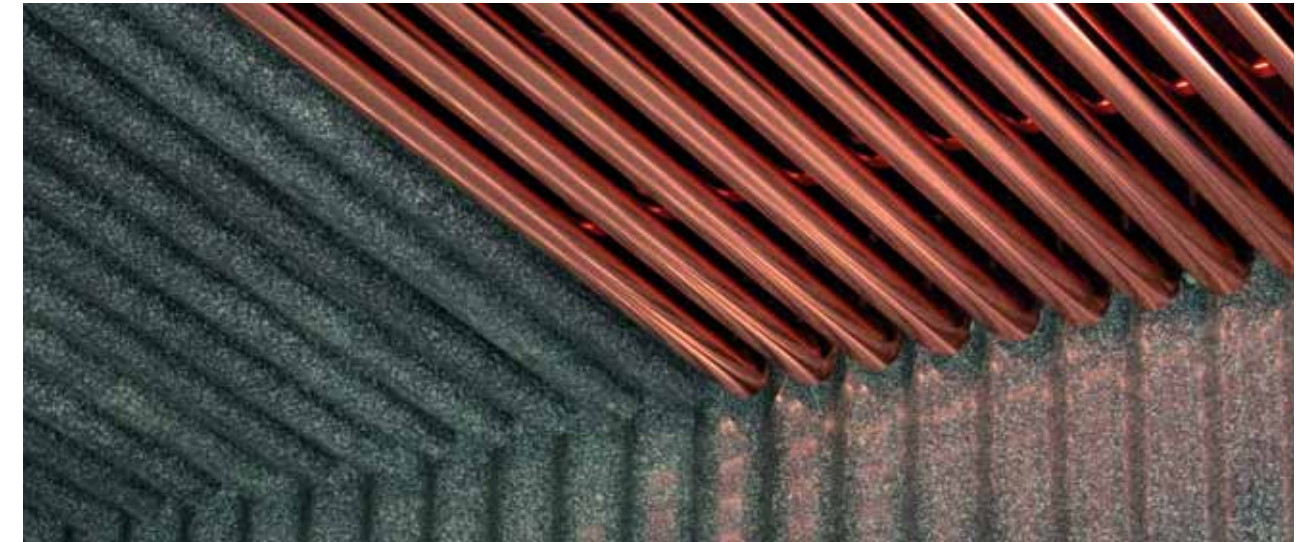
FPRO 404

	
width	708 mm
length	max. 8000 mm
height	55 mm
material thickness	0.6–0.7 mm

FPRO 405

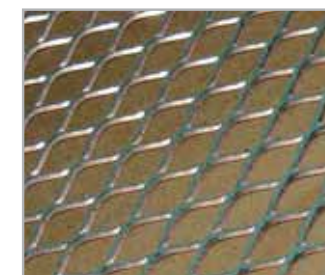
	
width	750 mm
length	max. 8000 mm
height	21 mm
material thickness	0.6–0.7 mm

Luvata Nordic Interior Systems



Nordic Interior Systems

The wide product range of the Luvata interior systems has been developed to meet the high demands of architecture. Nordic Interior Systems is a great option for interior construction. The decorative copper louvers and perforated plates, suspended ceilings and cladding panels make for a unique and impressive solution for any space.



Nordic Ceilings

The suspended ceiling system of Luvata Nordic Ceilings is a part of modern construction. The delivery package of louver, panel and cassette ceilings is complete and includes all the support materials needed for installation. The suspended ceilings are designed and developed as functional units and are thus easily installed. The acoustic properties of the products are improved with perforation and by using mineral wool or acoustic felt as filling.

Nordic Net

Nordic Net is an expanded copper mesh that is used as decorative elements. The expanded metal net is made from cut and stretched copper sheets. The durable Nordic Net spices up constructions, and has a wide usage.

Nordic Louvers

Nordic Louvers are used mainly as decorative façade elements and sun screens. They are also suitable for interior use, e.g. as ventilation covers or as decoration. The copper louvers are designed and produced for specific purposes, and it is possible to take the designer's ideas about form and shape into consideration.