ROOFINOX®

FAÇADE SYSTEMS

HFX STAINLESS FOR ROOF + FACADE

Like no other.

Roofinox

Roofinox is nothing less than the complete evolution of the building envelope with HFX stainless as a material for roof and façade. All products have been specially developed for use in building envelopes. Roofinox HFX stainless combines aesthetics and resilience in a single material and offers the following benefits:

MATERIAL WARRANTY ROOFINOX HFX STAINLESS



60 years security 60 years UV resistance 60 years defect-free materials 60 years defect free surfaces 60 years protection * Details and warranty conditions can be

Details and warranty conditions can be found in the warranty certificate

SAFETY THROUGH DURABILITY



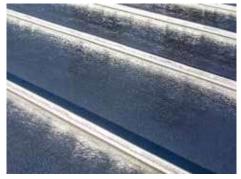
- Eternal longevity 60 years warranty
- _____ Rust-free material _____ Low expansion
- Resistant to moisture, bitumen, membranes, wood, etc.

STRENGTH THROUGH STABILITY



 Hail-resistant
 Storm-proof
 Cold-resistant
 Long-term water tightness
(soldered, seamed)
 3 times stronger than aluminium
 Storm protection

BEAUTY THROUGH SURFACE DESIGNS



 More than 15 different surfaces
 Ultra matte to super mirror
 Smooth to structured
 Naturally metallic to pigmented
 Coloured to patinating
 100% UV resistant

FUNCTIONALITY THROUGH SMART DESIGN



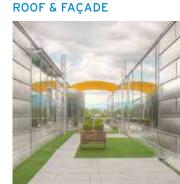
 Fitted for the contractor
 Up to 35% softer
 Easy to seam and solder
 Workable by hand
 Leightweight
 Complete system for
roof and facade

HFX stainless

Roofinox is inventor of the HFX stainless technology. HFX stainless is a highly-flexible stainless steel with special FX (effects) for use in roofing and façades. HFX stainless represents the evolution of stainless steel.



Roofinox Full System



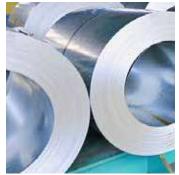
Products & Systems





Roof drainage system

COILS & SHEETS

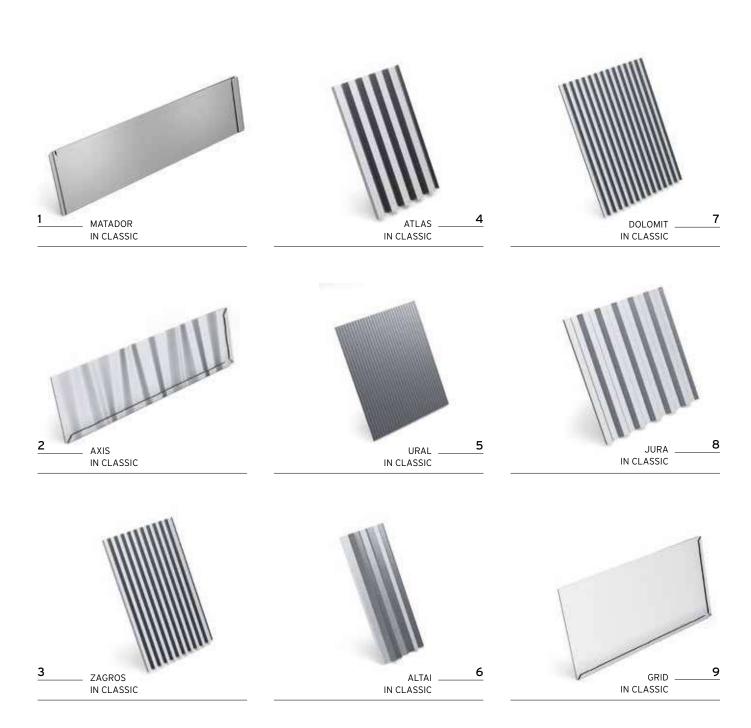


1.4301 / 1.4404 / 1.4510 304 / 316L / 439 Alloys

ROOFINOX ACCESSORIES



Roofinox all-round package



Products

Forever and eternal – Roofinox HFX stainless façade are maintenancefree, durable and environmentally friendly. The finest protection for your home.

		1	ROOFINOX MATADOR Probably the strongest roof and façade panel in the world
		2	ROOFINOX AXIS The designer façade cladding
		3	ROOFINOX ZAGROS The outstanding architectural profiles
		4	ROOFINOX ATLAS The outstanding architectural profiles
		5	ROOFINOX URAL The architectural profiles with pleated effect
TARTAN10 IN SPECTRA SEDONA		6	ROOFINOX ALTAI The architectural profiles with pleated effect
		7	ROOFINOX DOLOMIT The architectural trapezoid profiles
		8	ROOFINOX JURA The architectural trapezoid profiles
		9	ROOFINOX GRID The large rectangular tile
		10	ROOFINOX TARTAN The traditional square diamond tile
		11	ROOFINOX METRO The modern flatlock tile
METRO <u>11</u> IN CLASSIC		12	ROOFINOX MANSARD The elegant rhomboid tile
		13	ROOFINOX STANDING SEAM The metal façade classic
MANSARD 12	STANDING SEAM	13	

IN CLASSIC

IN DURA CHAMPAGNE

Roofinox Rainscreen

The intelligent, modern façade system: back ventilated rainscreen

A rainscreen wall structure consists of a thermal-insulation layer and a weather-protection layer separated by an air layer. An example of a façade system from outside to inside could be: Rainscreen can be attached to lightweight walls as well, especially used during renovation.

Advantages:

Roofinox façade cladding		
Air layer		
Vertical profiles in		
the ventilation and		
insulation layers		
Support structure		

 Large variety of designs
 Wide range of shapes for
the outer façade
 Moisture regulation
 Outstanding building
physical properties
 Sustainable, environmentally
friendly and recyclable



Wall / structural system Thermal insulation Vertical support profile Wall bracket with insulation board

Horizontal support profile Water / air barrier Rear-ventilation area

Wall cladding

Insulation

Typical insulation materials in rainscreens are:

- _____ Mineral-wool insulation boards _____ Wood fiber boards
- Hemp or jute insulation boards

 Dimensionally stable insulation
- boards made of sheep wool _____ Cork boards
- ——— Foam boards are possible, but not ideal

Natural insulation boards are preferable because they provide thermal protection in summer and a visible moisture dissipation caused by capillary action.

Building physics

This façade system has excellent structural properties: Warm air is discharged through the rear-ventilation gap, which counteracts both cold in winter and heat in summer. Rainscreen is also perfect for energetical renovation, as it can be used on existing walls with moisture or thermal problems.

Roofinox

Subframing

Subframing (SF): Static link between the facade and the structure

Usually the substructure does not meet any aesthetic requirements, rather it implements back ventilation. It fastens the façade to the building's load-bearing outer wall, thermal insulation and accommodates building tolerances. In principle, every substructure available on the market can be combined with Roofinox façade products, but we recommend structures matched to the façade system. The following two system-dependent types are required for Roofinox façade products:

Full-surface substructure

The full or spaced sheathing represents the traditional variant, which is usually based on wood. For this purpose, the insulation level is bridged with battens and counter battens, an additional vertical counter batten offers the necessary back ventilation level and a final layer of boards provides a fully supported mounting base for the cladding elements. A separation layer is not required, but is recommended due to potential risks associated with condensation and wood as well as any rusty nails that may be used.

Due to wood's limited longevity and flammability, a two-shell structure made of metal has been developed, which accommodates for building tolerances, takes over the static function and ensures sufficient back ventilation. For this purpose, the Roofinox SF trapezoid profile is mounted vertically on a horizontal metal substructure consisting of aluminum wall brackets and support profiles, which covers the insulation layer and accommodates construction tolerances. This creates a non-flammable structure, which is also protected against corrosion and represents a minimal thermal bridge.







Intermittent subframing

This type of metal substructure with twoor three-piece construction is very widespread. This system, consisting of thermal insulation, intermittent wall bracket, continuous metal rail and optional continuous outer metal rail, allows a three-dimensional adjustment and forms an unrestrained mounting plane on the outer wall. However, this type of substructure is only suitable for certain cladding types, because the subframing is intermittent instead of fully

supported sheathing. The substructure absorbs heat-related linear expansion and accommodates the dead load of cladding and wind pressure. For this, we work with fixed-point / floating-point construction. The fixed point absorbs both load types while the floating point only accommodates wind pressure, but allows thermal expansion to be considered.



This evolution in roof and façade panels offers maximum protection against storms and wear. If you require extra safety and longevity, Matador offers you the ability to combine both beauty and function. Matador is the elegant and invincible panel for all weathers.

- 1 Extremely corrosion resistant
- 2 Stands up to all weather conditions (hail, storm, heavy rain, snow, heat, sun)
- <u>3</u> Maintenance-free
 - <u>4</u> Ideal for renovations
 - <u>5</u> Creates monolithic building envelopes

TECHNICAL DATA MATADOR	
Sizes: Roofinox Matador S 443 x 320 mm; 7 pcs /m² Roofinox Matador M 886 x 320 mm; 3,5 pcs /m² Roofinox Matador L 1.329 x 320 mm; 2,4 pcs /m²	
Material: HFX stainless steel of alloys 439 / 304 / 316L Design surfaces: Classic, Spectra Vulcano, Chroma Fastening: concealed, with Roofinox clips (pre-assembled) Substrate: battens (30 x 50 mm, spacing 160 mm), proprietary sub-framing system, fully supported sheathing > 24 mm, or metal subframing with Roofinox SF corrugated profile	
Please respect country-specific standards and technical regulations Weight / panel: Size S: 0,925 kg / pc Size M: 1,820 kg / pc Size L: 2,440 kg / pc	WALL STRUCTURE
	SINGLE PANEL



Roofinox Matador

Roofinox Matador. Probably the strongest roof and façade panel in the world.

> The elegant, straightforward shape is ideal for renovation, as it can be laid on furring or fully supported sheathing. Even less resilient constructions can be fitted thanks to the low weight and HFX stainless goes well with all materials. The complete system with a full set of accessories allows the roof and façade to be built from one cast.



Experience modernity with all the advantages of traditional craftsmanship. Consistent aesthetics and design for the entire building envelope. Inside and out, from top to bottom - your entire house.

Roofinox Axis is the design profile in New Objectivity style. Axis reveals modern character and surprising effects - the façade panel's irregular structure creates an interplay of light and shadow. Covered over a large area, Axis shows a wave-like image with flowing optics. For representative, exciting buildings.

9



Roofinox Axis. The designer façade cladding.



- 1 Design profile for modern facades
- <u>2</u> Surprising effects of light and shadow
- ³ For representative, exciting buildings
 - 4 100% maintenance-free
- **5** Lasts for generations

TECHNICAL DATA AXIS

Size: 560 x 2.435 mm; 0,7 Pcs / m² Size: 560 x 1.215 mm; 1,5 Pcs / m²

Material: all Roofinox surfaces & alloys Fastening: concealed, with stainless steel clips Substrate: fully supported sheathing > 24 mm, metal subframing with Roofinox SF corrugated profile or vertical metal substructure

Please respect country-specific standards and technical regulations Weight Axis: 4,4 kg / m²



WALL STRUCTURE

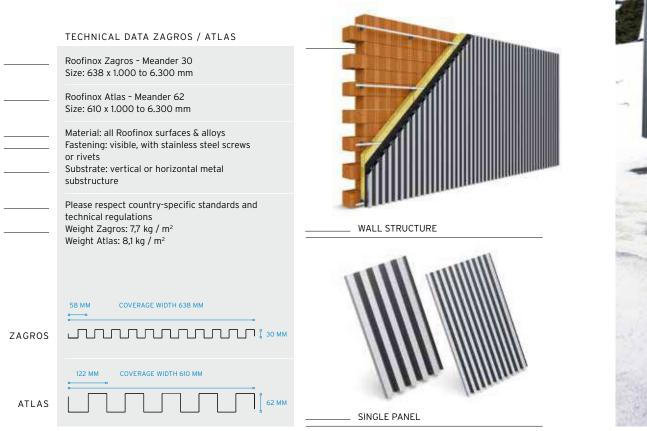


SINGLE PANEL



If you want to make your façade elegant and puristic, but not ordinary, you will enjoy the classic ornamentation of the Zagros and Atlas Meander profiles.

- <u>1</u> Elegant, pure forms
- <u>2</u> At the same time extraordinary
 - <u>3</u> Clearly structured overall look
 - <u>4</u> 100% maintenance-free
 - <u>5</u> Lasts for generations



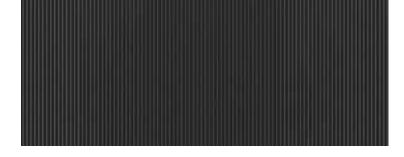


Roofinox Zagros Atlas

Roofinox Zagros and Atlas. The outstanding architectural profiles.

maillener





Roofinox pointed profiles Ural and Altai envelop your building like a movable curtain. For modern, uniform façades as though made in one piece.

Ural and Altai are highly exciting, homogeneously surfaces. They play with the viewer's perception and present an amazing pleated effect. The regular stringing together of individual points is geometric and playful at the same time. Ural and Altai façades seem to be enveloped in dynamic, delicately woven fabric, forming a durable and protective shell.

Roofinox Ural Altai

Roofinox Altai and Ural. The architectural profiles with pleated effect.

- 1 Homogeneous overall image
- <u>2</u> Dainty pointed profiles
- 3 Aesthetic pleated effect
 - 4 100% maintenance-free
- <u>5</u> Lasts for generations

TECHNICAL DATA URAL / ALTAI

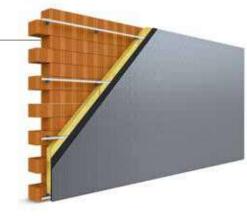
Roofinox Ural - pointed profile 15 Size: 864 x 1.000 to 4.200 mm

Roofinox Altai - pointed profile 60 Size: 382 x 1.000 to 3.500 mm

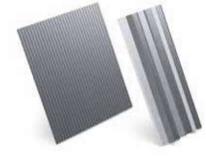
 Material: all Roofinox surfaces & alloys
 Fastening: visible, with stainless steel screws or rivets
 Substrate: vertical or horizontal metal substructure

Please respect country-specific standards and technical regulations Weight Ural: 5,7 kg / m² Weight Altai: 6,5 kg / m²





WALL STRUCTURE

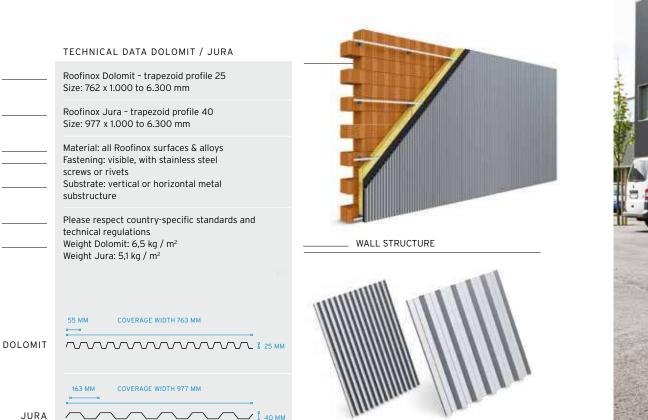


_____ SINGLE PANEL



Go recreate the principle of trapezoid profiles for the façade. Unexpectedly highly suitable for all types of construction, Roofinox Dolomit and Jura profiles enable completely new approaches to rainscreen design.

- <u>1</u> Sets contrasting accents
- 2 Yet unobtrusive design
- <u>3</u> Puts the old familiar in a new light
 - <u>4</u> 100% maintenance-free
 - <u>5</u> Lasts for generations



SINGLE PANEL



Roofinox Dolomit

Roofinox Dolomit and Jura. The architectural trapezoid profiles.





For fans of large-format, clear design language. Covered consistently over a large area, the appearance of Roofinox Grid is elegant and objective, but can also be interrupted playfully by profiles in other sizes or materials.

- <u>1</u> Modern large rectangular flatlock tile
- 2 Dynamic surface structure
- <u>3</u> For contemporary architecture
 - 4 100% maintenance-free
 - <u>5</u> Lasts for generations

TECHNICAL DATA GRID

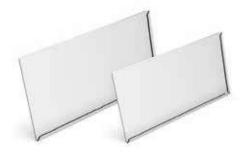
Two different formats: Grid 35: 350 x 2.350 mm Grid 56: 560 x 1.150 mm

Material: all Roofinox surfaces & alloys Fastening: concealed, with Roofinox clips Substrate: fully supported sheathing > 24 mm, metal subframing with Roofinox SF corrugated profile or vertical / horizontal metal substructure

Please respect country-specific standards and technical regulations Weight: Grid 35: 4,8 kg / m² Grid 56: 4,6 kg / m²



_ WALL STRUCTURE

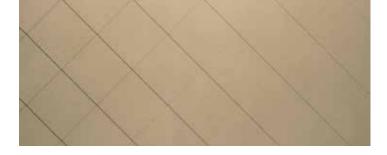








Grid makes a clear statement with its regular, large-surface format. Roofinox Grid covers the building like a metallic skin, for an aesthetic and striking appearance. At the same time, its large area allows the observer to focus on details.



A sturdy shell, copied from nature, forms a protective skin for your home. A façade covered with Tartan looks organic and friendly, yet speaks a clear, no-frills design language. For those people who appreciate proven methods in a contemporary way.

- <u>1</u> Tradition interpreted in a modern way
- <u>2</u> Attractive scale-like appearance
- <u>3</u> With or without flattened, overlapping corners
 - 4 Lasts for generations
 - 5 100% maintenance-free

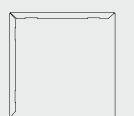
TECHNICAL DATA TARTAN

Two different designs, three different formats:: Tartan Typic M: 330 x 330 mm; 9,2 Pcs / m² Tartan Typic L: 410 x 410 mm; 5,9 Pcs / m² Tartan Typic XL: 510 x 510 mm; 3,8 Pcs / m²

Tartan Style M: 330 x 330 mm; 9,2 Pcs / m^2 Tartan Style L: 430 x 430 mm; 5,4 Pcs / m^2 Tartan Style XL: 530 x 530 mm; 3,6 Pcs / m^2

Material: all Roofinox surfaces & alloys Fastening: concealed, with Roofinox clips Substrate: fully supported sheathing > 24mm or metal subframing with Roofinox SF corrugated profile

Please respect country-specific standards and technical regulations Weight: Tartan Classic: 4,8 to 5,4 kg / m² Tartan Style: 4,6 to 5 kg / m²





WALL STRUCTURE

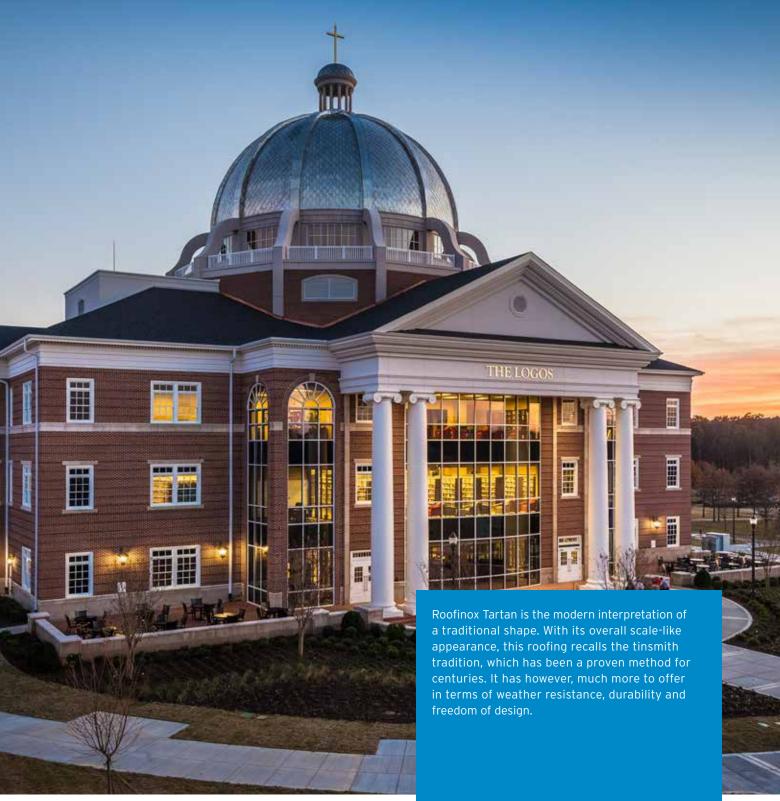


SINGLE PANEL



Roofinox Tartan Roofinox Tartan.

Roofinox Tartan. The traditional square diamond tile.





It's multifaceted expressiveness complements every style perfectly. Modern in appearance, the Metro rainscreen tile has no problem adapting to different designs, whether they are traditional or progressive.

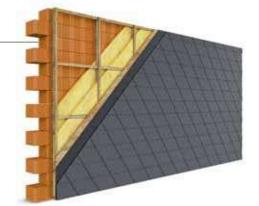
- <u>1</u> Modern, large flatlock tile
- 2 Dynamic surface structure
- <u>3</u> For contemporary architecture
 - <u>4</u> 100% maintenance-free
 - <u>5</u> Lasts for generations

TECHNICAL DATA METRO

Size in mounted surface: Metro: 270 x 440 mm; 8,4 Pcs / m²

Material: all Roofinox surfaces & alloys Fastening: concealed, with Roofinox clips Substrate: fully supported sheathing > 24mm or metal subframing with Roofinox SF corrugated profile

Please respect country-specific standards and technical regulations Weight: 5,6 kg / m^2



WALL STRUCTURE



SINGLE PANEL



Roofinox Metro

Roofinox Metro. The modern flatlock tile.





Sophisticated and elegant, the small-format diamond tiles cover façades with delicate scales, thus protecting the building with all its might. The Mansard rhombus gracefully encloses dormers, gables and parapets. For those with an eye for detail.

The very pointed version of the Roofinox Mansard rhomboid pattern ensures an exceptionally delicate look. The different effect in modern and traditional architecture is exciting. Mansard tiles are particularly appreciated because of their textile structural appearance. Due to the partial application of the tile, parts of the building are attractively emphasized and made more accessible. Large area coverage results in a homogeneous, finely structured look.

Roofinox Mansard

Roofinox Mansard. The elegant rhomboid tile.



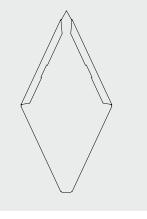
- ____1 Filigree, elegant wall design
- <u>2</u> Different effect in modern and traditional architecture
- 3 Also suitable for emphasizing individual building parts
 - <u>4</u> Results in homogenous, delicately structured texture

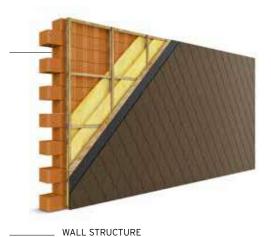
TECHNICAL DATA MANSARD

Size in mounted surface: Mansard: 270 x 530 mm; 12,5 Pcs / m²

Material: all Roofinox surfaces & alloys Fastening: concealed, with Roofinox clips Substrate: fully supported sheathing > 24mm or metal subframing with Roofinox SF corrugated profile

Please respect country-specific standards and technical regulations Weight: Mansard: 6,2 kg / m²







_____ SINGLE PANEL



Roofinox HFX stainless is perfect for standing seam technique. It was specially developed for this type of façade. Roofinox withstands any storm, providing peace and security for generations. For unlimited design possibilities on any façade.

- <u>1</u> Tradition and character
- <u>2</u> Elegant, matt, natural
 - <u>3</u> Lasts for generations
 - <u>4</u> 100% maintenance-free
 - <u>5</u> Horizontal or vertical alignment

TECHNICAL DATA STANDING SEAM

Size in mounted surface: Sheet width: 425 mm to 550 mm Sheet lengths: from 0,5 to 30 m possible due to the particularly low thermal expansion of Roofinox stainless steel

Material: all Roofinox surfaces & alloys Fastening: concealed, with Roofinox clips Substrate: fully supported sheathing > 24mm or metal subframing with Roofinox SF corrugated profile

Please respect country-specific standards and technical regulations Weight: Width 425 mm: 4,7 kg / m² Width 550 mm: 4,5 kg / m²



WALL STRUCTURE





13 MM COVERAGE WIDTH 425 - 550 MM 10 MM

Roofinox Standing Seam

ERWINHYMERIMSeum

п

Roofinox standing seam. The metal façade classic.

Not without reason, the most widely used classic in covering metal façades. The standing seam has a very long tradition in craftsmanship and represents the highest quality of workmanship. It creates a clear, linear structure. Its very slim profile is suitable for both traditional and modern architecture. By modulating coverage width, exciting visual effects can be achieved.

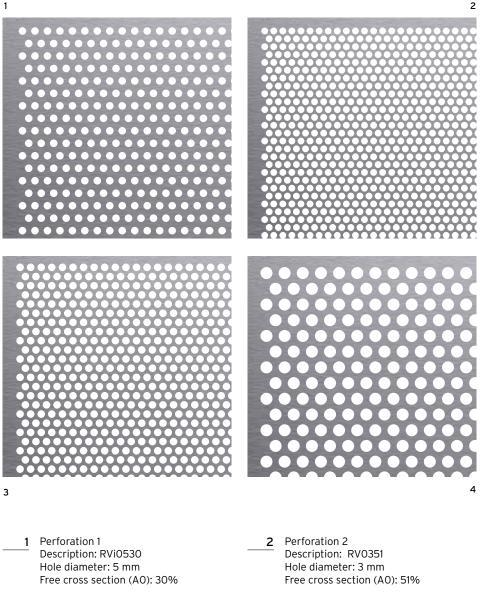
H.E.L.P. emergency centre lschgl; horizontal façade panels of varying widths in Roofinox Dura Bronze; Photo: Ventira Architects



Perforation

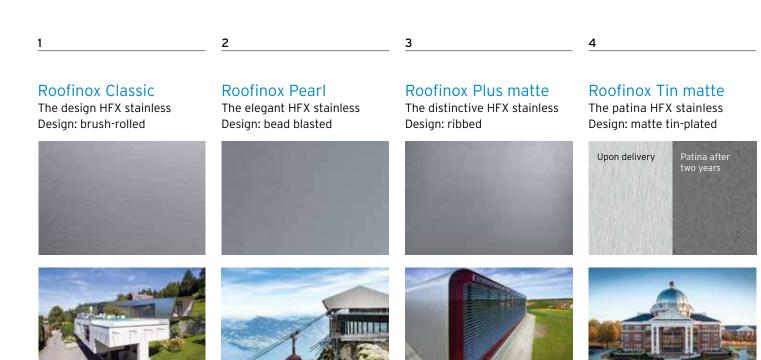
Perforated metal for designs that play with transparency.

All Roofinox façade elements can be produced in perforated versions. Thus, our façade elements are suitable also as visual or sun protection. HFX stainless from Roofinox is the ideal starting material for perforated sheets. The material's outstanding strength provides maximum surface stability and, without additional surface treatment, retains extraordinarily high corrosion protection.



- 3 Perforation 3 Description: RV0546 Hole diameter: 5 mm Free cross section (A0): 46%
- 4 Perforation 4 Description: RV0840 Hole diameter: 8 mm Free cross section (A0): 40%

Designs Like no other.



7

Roofinox Chroma The mirror HFX stainless Design: mirror rolled

5





Roofinox Spectra The colorful HFX stainless Design: pigmented

6





Roofinox Dura The metallic shimmering HFX stainless Design: electro-coloured





Roofinox R.SYS

Extremely durable, practically maintenance-free and simply beautiful: The complete roof drainage system from Roofinox.

Well-planned drainage protects the building permanently from water damage. Roofinox HFX stainless gutters and pipes resist wind and storm, are completely rust-free and prevent algae and root damage. Throughout the year, you live safely and comfortably. For decades. Roofinox drainage protects your home. Like no other.

environment. There is no detectable particle removal and doesn't react to water. Roofinox HFX stainless contains more than 90% recycled material and remains 100% recyclable. Roofinox drainage - sustainable and environmentally friendly. Like no other.

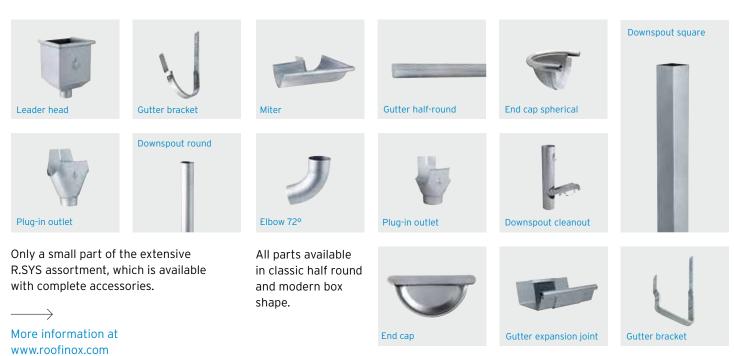
The nicest thing about it: Roofinox

HFX stainless is extremely kind to the

Please find more information in the brochure "Roofinox Drainage."

 \rightarrow

Partial product range R.SYS



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Roofinox. Like no other.





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