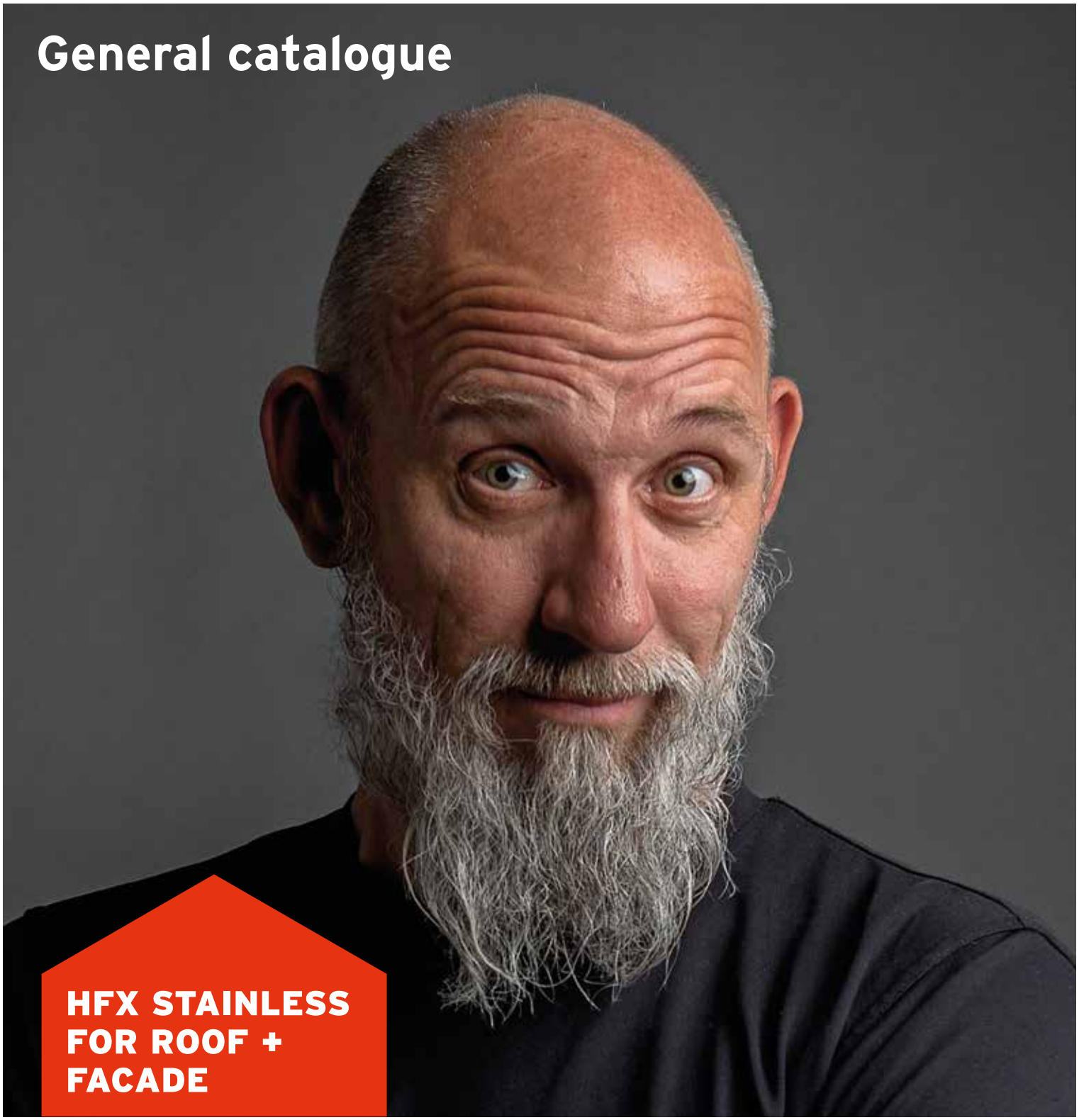
ROOFINOX®

General catalogue



HFX STAINLESS FOR ROOF + FACADE

Like no other.

CONTENTS

ROOFINOX®

Like no other.

ROOFINOX is the market-leading manufacturer of HFX stainless. The company is headquartered in Vorarlberg, Austria where administration, processing and central warehouse are located. The production and finishing of our products take place at various locations in Europe where our high quality and innovative HFX products are created.

THE PATH TO THE INTEGRAL SYSTEM
EXPERIENCE FOR OVER 40 YEARS

HFX STAINLESS FOR ROOF + FACADE

2022 EXPANSION OF THE GROUP
Investment in a colouring plant and expansion of capacities

2021 COLOURED GUTTERS
Electro-coloured roof drainage for even more design freedom

2017 ROOFING AND FACADE SYSTEMS
ROOFINOX completes the roofing systems with complete accessories and continuously introduces facade systems

2015 ROOFINOX AMERICA INC.
Foundation of the North America regional office in Chicago

2014 FOCUS ON HFX STAINLESS
The additional business units Metal Facades, Multi-Metal Roof Drainage and Machinery are spun off

2008 ROOFINOX GUTTERS AND ROOF DRAINAGE
Comprehensive roof drainage system, easy to solder and with unlimited service life

2002 ROOFINOX
The brand, proven for years, is officially registered - worldwide export of ROOFINOX seamable HFX coils and sheet metal

1996 PREFABRICATION
In cooperation with architects and craftsmen, special profiles, wall and roof claddings are produced under the V-MET multi-metal brand.

1995 FIRST SEAMABLE HFX COIL
HFX stainless is produced industrially for the first time and installed successfully

1993 PRODUCTION AND PLANNING OF STANDING SEAM ROOFS
ROOFINOX manufactures and plans standing seam roofs and produces suitable machines

1992 DEVELOPMENT HFX STAINLESS
The success encourages the development of a stainless steel especially for roofs and facades

1990 INTRODUCTION OF TIN-PLATED STAINLESS (TERNE)
Introduction of tin-plated stainless steel as a roofing material and problem solver among construction metals

1989 EXPANSION AND RELOCATION
Expansion and new construction of production and storage capacities

1981 FIRST BEGINNINGS
Foundation of WVB as a distributor for roofing metals, formal foundation stone of ROOFINOX

HFX Stainless

THE (R)EVOLUTION OF ROOF AND FACADE

ROOFINOX IS INVENTOR OF THE HFX STAINLESS TECHNOLOGY.
HFX STAINLESS IS A HIGHLY FLEXIBLE STAINLESS STEEL WITH SPECIAL FX (EFFECTS) FOR USE ON ROOFS AND FACADES.
HFX STAINLESS STANDS FOR THE EVOLUTION OF STAINLESS STEEL.

THE BEST ADVANTAGES OF STAINLESS STEEL

- longevity
- rust-free material
- high strength

+

HIGHLY-**F**LE**X**IBLE WITH SPECIAL FX (EFFECTS)

- specially for roof and facade
- matte and coloured
- easy to work with
- 100 % UV-resistant
- sustainable

= HFX STAINLESS

LIKE NO OTHER.
ALL ROOFINOX REFERENCES HAVE THIS IN COMMON:

The desire of clients, architects and craftsmen to express their own individuality and high demands on quality and durability.

Our products convince every time with their properties - we guarantee this with a unique 60-year warranty and a related promise to build and live with peace of mind, to act sustainably and to show taste with aesthetic products and uniquely beautiful surface designs.

ROOFINOX IS REPRESENTED IN THE FOLLOWING COUNTRIES:

Austria, Germany, Switzerland, USA, Italy, France, United Kingdom, Ireland, Sweden, Finland, Luxembourg, Russia, Turkey, Poland, Canada, Australia

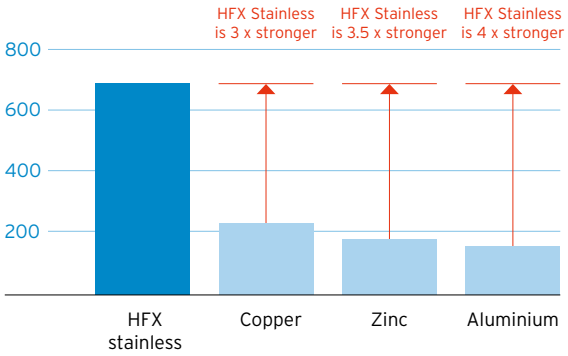
Peace of mind Sustainable Beautiful

HFX STAINLESS COMBINES TECHNOLOGICAL ADVANTAGES UNLIKE ANY OTHER MATERIAL. LIKE NO OTHER.

STRONGEST METAL

The lower material usage and improved protection from a material that is 4 times stronger than aluminium make HFX stainless the strongest metal. HFX stainless is extremely robust, hail-proof, storm-proof and resilient. Roof, gutter and facade made of HFX stainless offer the best protection for your building.

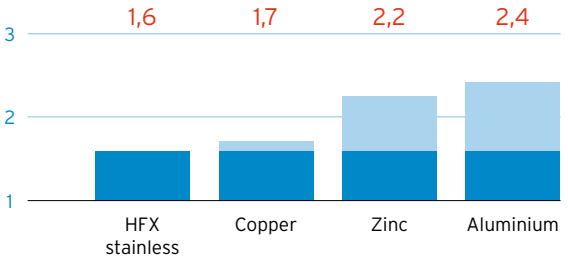
Tensile strength R_m (MPa)



LOWEST EXPANSION

Less waviness, no disturbing noise (cracking or crackling) and less stress on the supporting structure due to minimal thermal expansion. The small expansion allows longer panels (over 30 m), gutters and flashings in one piece.

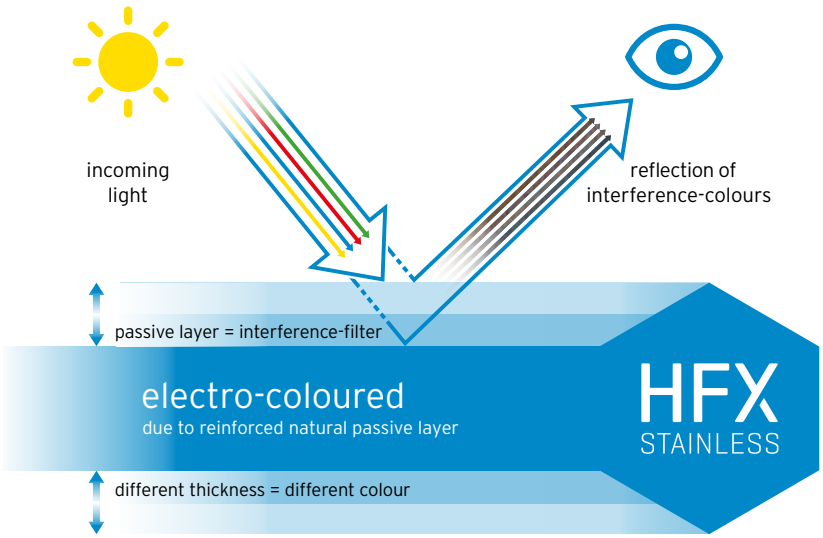
Thermal expansion (mm / m 100° K)



LONGEST SERVICE LIFE

HFX stainless is durable like no other. ROOFINOX represents this with a one-of-a-kind material warranty:

- 60 years of safety
- 60 years UV-resistance
- 60 years free from defects
- 60 years of protection

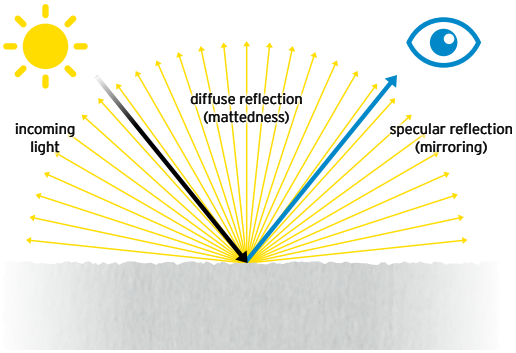


COLOUR WITHOUT COLOUR

No fading, yellowing or peeling of the colour effect. Electro-colouring is achieved by stimulating the natural selfhealing layer of HFX stainless and reinforcing its thickness in a controlled manner, thus creating an interference filter and the extraordinary colour effect. No pigments or paints are applied.

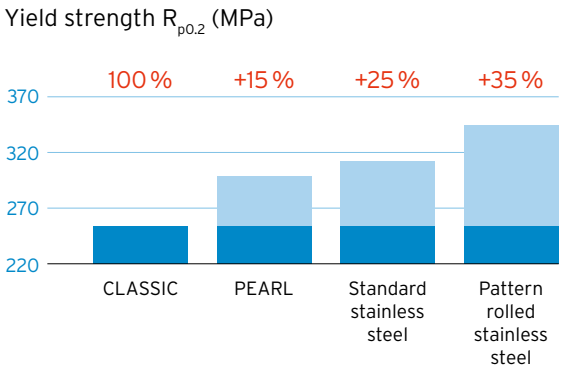
MATTEST SURFACE

HFX stainless technology enables the mattest stainless steel surfaces. For roofs and facades, a particularly matte surface is desired to avoid glare. The rough surface of HFX stainless diffuses the reflected light, making it ultra-matte.



MOST FLEXIBLE STAINLESS

HFX stainless was specially developed for craftsmen and architects. It is therefore highly flexible, 35 % more malleable, ideal for soldering and available as a coordinated integral system.



MOST SUSTAINABLE ROOFS + FACADES

HFX stainless has a life expectancy of over 200 years, is made from over 90 % recycled material and is 100 % recyclable. In addition, HFX stainless is 100 % natural, pollutant-free and free from heavy metal run-off.

ROOFINOX Integral System

ROOF AND FACADE FROM A SINGLE SOURCE

THE INTEGRAL SYSTEM AS A HEXAGON

The hexagon is one of the few polygons that can fill a surface without gaps. Hexagons have blunt corners that are robust and create stability. This is why they are often found in nature, such as in snowflakes, honeycombs or as facets of insect eyes.

HFX stainless and the hexagon are closely linked by their naturalness and stability. Furthermore, with the hexagon we recreate the silhouette of a house and subsequently the individual components of our integral system for the building envelope: facade, roof and gutters.

WHAT MAKES THE ROOFINOX INTEGRAL SYSTEM SO SPECIAL?

ROOFINOX is more than the inventor and manufacturer of HFX stainless. With the help of our diverse surface designs, we produce the most durable roofs, facades and gutters on the market.

So that we can also guarantee longevity and peace of mind, we offer you the only HFX stainless integral system. Our comprehensive and thought-through range is coordinated in several ways:

AESTHETICS

Guarantee for a uniform overall appearance, all components appear to be cast from a single mould.

FUNCTIONALITY

Simple processing is a ROOFINOX trademark and ensures that all components and dimensions fit together.

DURABILITY

The optimal interaction of our integral system ensures that your building project will last for generations.

COMPATIBILITY

Our range is compatible with all materials and can be easily combined.

APPLICATION AND ASSEMBLY

Our many years of experience and focus allow you to implement your project idea (almost) without restriction.

SELECTION OF SOME COMPONENTS OF THE ROOFINOX INTEGRAL SYSTEM

1. Double lock standing seam roof covering
2. TARTAN square shingle facade cladding
3. Verge cover
4. Window flashings (incl. window sill)
5. Perimeter flashing
6. Gutter (internal)
7. Snow protection
8. Ridge vent
9. Skylight flashings

ROOFINOX surfaces

HFX STAINLESS OFFERS UNMATCHED DESIGN DIVERSITY. LIKE NO OTHER.

CLASSIC

Surface: brush-rolled
Delivery form: seamable HFX coils and sheet metal

PEARL

Surface: bead-blasted
Delivery form: seamable HFX coils and sheet metal

CHROMA

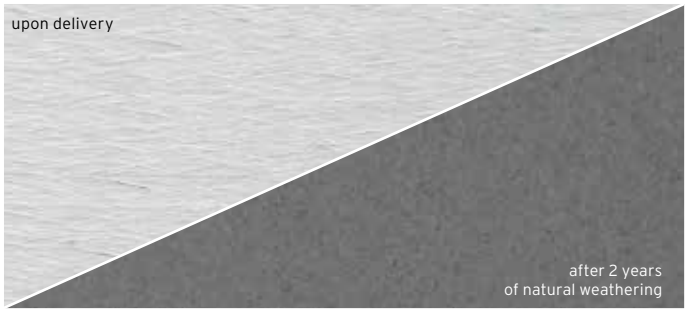
Surface: mirror-rolled
Delivery form: seamable HFX coils and sheet metal

PLUS

Surface: brush-rolled and ribbed
Delivery form: seamable HFX coils and sheet metal

TIN (terne)

Surface: brush-rolled and tin-plated
Delivery form: seamable HFX coils and sheet



DURA-matte

Design: brush-rolled and electro-coloured
Delivery form: seamable HFX sheet metal (max. 12 m)

DURA-brilliant

Design: brush-rolled and electro-coloured
Delivery form: seamable HFX sheet metal (max. 6.4 m)

PYRA-matte

Surface: bead-blasted and electro-coloured
Delivery form: seamable HFX sheet metal (max. 6.4 m)

PYRA-brilliant

Surface: bead-blasted and electro-coloured
Delivery form: seamable HFX sheet metal (max. 6.4 m)

PLASMA

Surface: brush-rolled and plasma-coloured
Delivery form: seamable HFX sheet metal (max. 6 m)

IONIC

Surface: bead-blasted and plasma-coloured
Delivery form: seamable HFX sheet metal (max. 6 m)

OPTRON

Surface: mirror rolled and plasma-coloured
Delivery form: seamable HFX sheet metal (max. 6 m)

PROTON

Surface: proton-coloured
Delivery form: seamable HFX sheet metal (max. 6.4 m)

Note: Details regarding our designs can be found from p. 50.
For available dimensions and alloys, please refer to page 62 / 63 or our catalogue.

Roof and facade

- STANDING SEAM | double lock standing seam, angled or welded seam
- TARTAN 33, 43, 53 | square shingle
- SKALA 33, 41, 51 | square shingle
- METRO 27 | rhomboid shingle
- MANSARD 53 | diamond shingle
- GRID 35 | rectangular shingle
- GRID 56 | rectangular shingle
- AXIS 120 | design shingle
- MATADOR 88 | roof and facade panel
- ZAGROS 30, ATLAS 62 | meander profiles
- URAL 16, ALTAI 60 | pointed profiles
- DOLOMIT 25, JURA 40 | trapezoidal profiles
- PERFORATION | perforated coils and sheets

ROOFINOX HFX stainless is perfectly suited for the standing seam technique. It was specially developed for this type of installation. HFX stainless withstands any storm and offers you peace of mind and safety for generations. For unlimited design possibilities on roof and facade.

Standing seam (wall)
Coverage width:
425 - 550 mm

Standing seam (roof - with clip relief)
Coverage width: 425 - 550 mm

There is a reason why the standing seam is the most widespread type of covering for metal roofs and facades. The double lock standing seam has a centuries-old tradition of craftsmanship and represents the highest quality workmanship. The double lock standing seam provides a clear, linear structure. The very slim profile is suitable for both traditional and modern architecture. Exciting effects can be achieved by using varying panel widths.

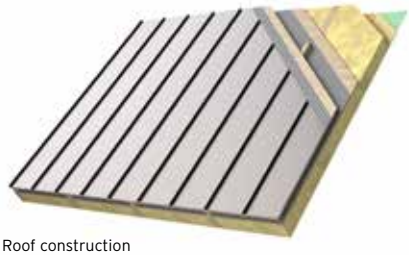
STANDING SEAM

DOUBLE LOCK STANDING SEAM | ANGLED SEAM | WELDED SEAM

THE CLASSIC AMONG METAL ROOFS AND FACADE CLADDINGS

- tradition and character combined
- minimalist or generous
- different widths or seam heights
- horizontal, vertical or combined
- for modern architecture and monoliths

Wall construction



Roof construction

TECHNICAL DATA STANDING SEAM

SIZE IN INSTALLED SURFACE
Height: 25 mm (standard), 32 mm or 38 mm
Coverage width: from 425 to 550 mm
Coverage lengths: from 0.5 to 30 m and more possible due to the particularly low thermal expansion of HFX stainless

ROOF PITCH
Double lock standing seam: > 3° (up to 7° with seam sealant ROOFINOX FG)
Angled seam: > 25°
Welded seam: > 0°

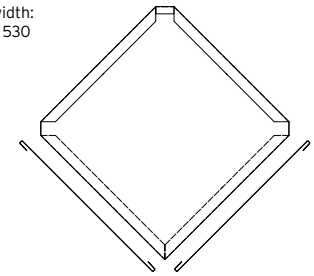
MATERIAL
various ROOFINOX designs & alloys
optional with silencer strips (ROOFINOX ACUSTIC)

INSTALLATION
Fastening: concealed, with ROOFINOX expansion clips
Facade substrate: sheathing > 24 mm or metal substructure with ROOFINOX SC trapezoidal profile (non-flammable)
Roof substrate: sheathing, separating layer recommended

WEIGHT (thickness: 0.5 mm)
Width 425 mm: 4.7 kg / m^2
Width 550 mm: 4.5 kg / m^2
Please follow country-specific standards and trade regulations.

Finely drawn small-format shingles cover the building structure and adapt easily to any geometry. These square shingles convince by reduction to the essential and underline the design. Free-formed surfaces receive a smooth covering and monolithic designs find a gentle shell.

Coverage width:
330 | 430 | 530



ROOFINOX TARTAN is the modern interpretation of a traditional shape. With its scale-like appearance, this covering recalls the tinsmith tradition, which has been a proven method for centuries. The colour-finished ROOFINOX designs in particular are ideally suited to this installation technique - without any maintenance or fading.

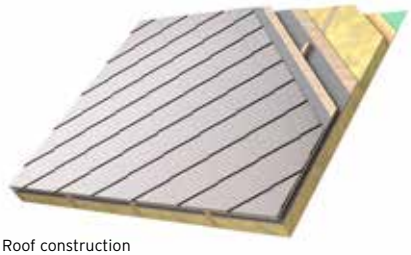
TARTAN 33 43 53

SQUARE SHINGLE

THE MINIMALIST CLADDING FOR ROOF AND FACADE

- elegant and reduced aesthetics
- orthogonal tip with aligned edges
- mainly diagonal, but can also be installed horizontally
- attractive small format for a smooth appearance
- lasts for generations

Wall construction



Roof construction

TECHNICAL DATA TARTAN

SIZE AND YIELD IN INSTALLED SURFACE

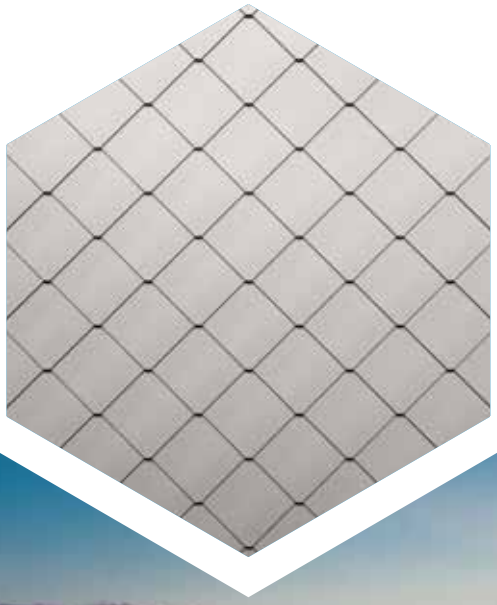
TARTAN 33	330 x 330 mm	(9.2 pcs / m^2)
TARTAN 43	430 x 430 mm	(5.4 pcs / m^2)
TARTAN 53	530 x 530 mm	(3.6 pcs / m^2)

ROOF PITCH
from 22°

MATERIAL
various ROOFINOX designs & alloys
Acustic silencer included:
unique ROOFINOX ACUSTIC silencer strips attached to the back

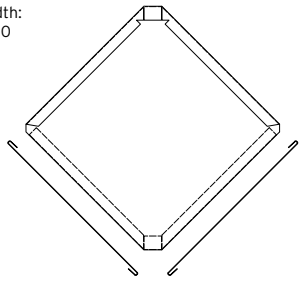
INSTALLATION
Fastening: concealed, with ROOFINOX expansion clips
Facade substrate: sheathing > 24 mm or metal substructure with ROOFINOX SC trapezoidal profile (non-flammable)
Roof substrate: sheathing > 24 mm, separating layer recommended.
Please follow local regulations for the use of additional waterproofing.

WEIGHT (thickness: 0.5 mm)
4.6 to 5 kg / m^2
Please follow country-specific standards and trade regulations.



A sturdy shell, copied from nature, forms a protective skin for your home. A roof or facade covered with SKALA appears organic and friendly, yet speaks a clear, no-frills design language. For those who appreciate proven methods in a contemporary form.

Coverage width:
330 | 410 | 510



ROOFINOX SKALA is the modern interpretation of a traditional shape. With its scale-like appearance, this roof covering is reminiscent of the centuries-old tradition of craftsmanship, but has much more to offer in terms of weather resistance, durability and freedom of design.

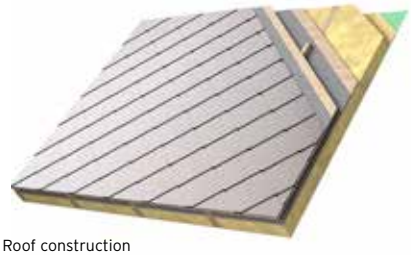
SKALA 33 41 51

SQUARE SHINGLE

METAL ROOFING WITH TRADITIONAL CHARME

- tradition interpreted in a modern way
- attractive scale-like appearance
- flat, projecting tip
- diagonally installed
- 100 % maintenance-free

Wall construction



Roof construction

TECHNICAL DATA SKALA

SIZE AND YIELD IN INSTALLED SURFACE

SKALA 33	330 x 330 mm	(9.2 pcs / m^2)
SKALA 41	410 x 410 mm	(5.9 pcs / m^2)
SKALA 51	510 x 510 mm	(3.8 pcs / m^2)

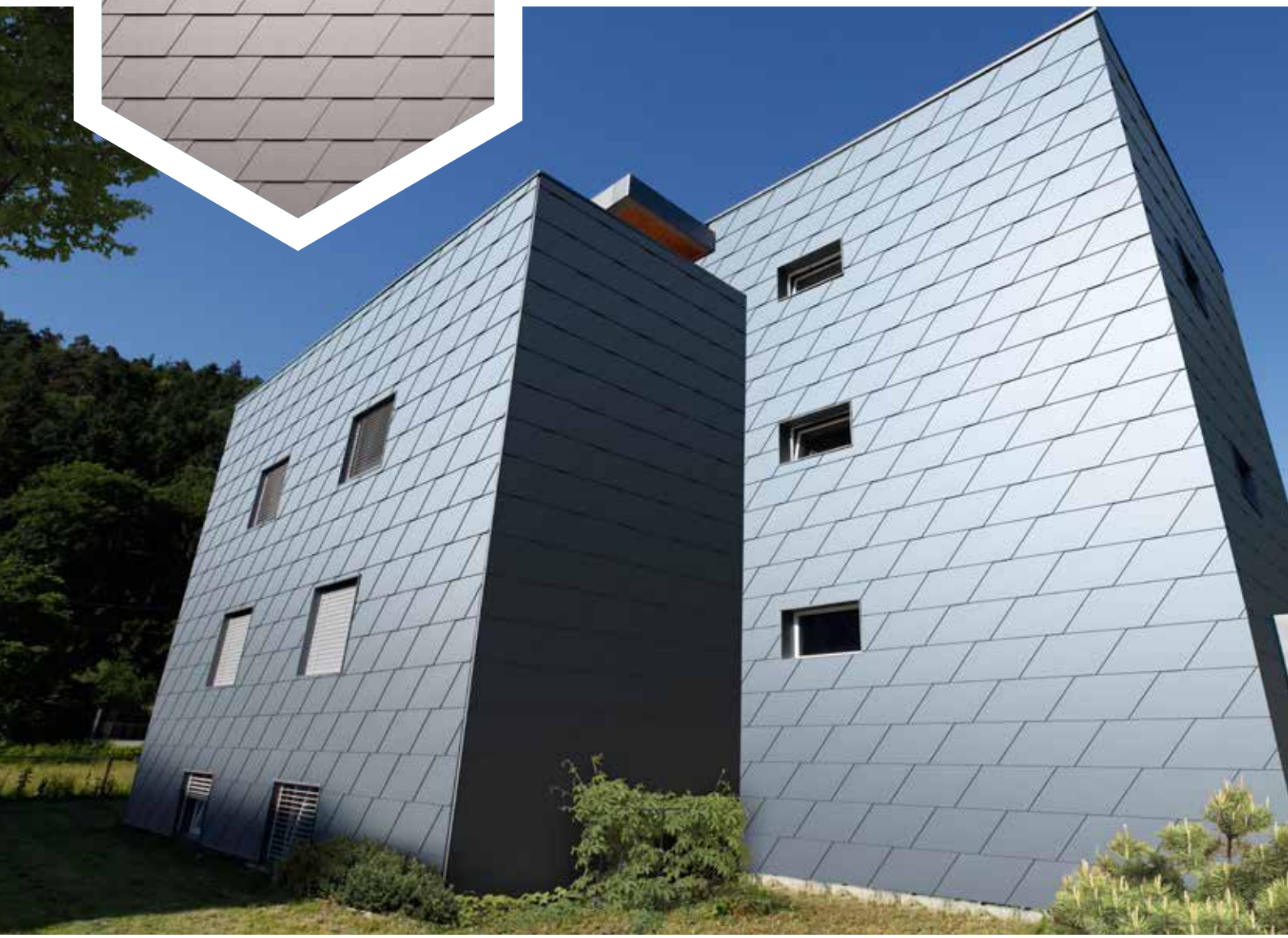
ROOF PITCH
from 22°

MATERIAL
various ROOFINOX designs & alloys
Acustic silencer included:
unique ROOFINOX ACUSTIC silencer strips attached to the back

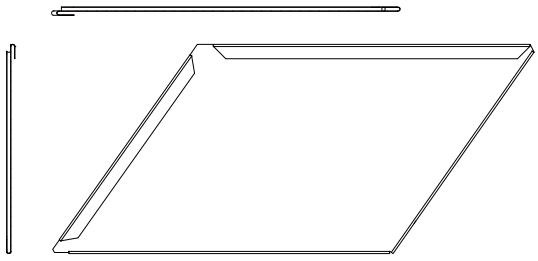
INSTALLATION
Fastening: concealed, with ROOFINOX expansion clips
Facade substrate: sheathing > 24 mm or metal substructure with ROOFINOX SC trapezoidal profile (non-flammable)
Roof substrate: sheathing > 24 mm, separating layer recommended.
Please follow local regulations for the use of additional waterproofing.

WEIGHT (thickness: 0.5 mm)
4.8 to 5.4 kg /m^2
Please follow country-specific standards and trade regulations.

It's multifaceted expressiveness complements every style perfectly. Modern in appearance, the METRO 27 rhomboid shingle has no problem adapting to different designs, whether they are traditional or progressive.



Coverage width:
440 x 270 mm



The ideal choice for modern builders. The parallel slopes in the roof and wall shingles create a dynamic surface structure. The changing light effect, depending on the position of the sun, provides liveliness. ROOFINOX METRO 27 is also used when a certain alignment is to be indicated. Applied over a large area, METRO 27 creates a homogeneous but dynamic image.

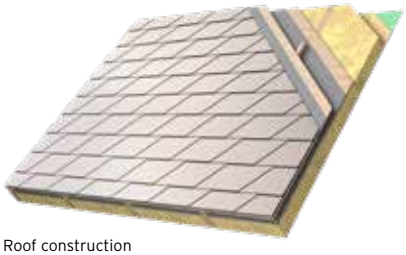
METRO 27

RHOMBOID SHINGLE

THE MODERN RHOMBOID SHINGLE

- modern, large rhomboid shingle
- dynamic surface structure
- for contemporary architecture
- 100 % maintenance-free
- lasts for generations

Wall construction



Roof construction

TECHNICAL DATA METRO 27

SIZE AND YIELD IN INSTALLED SURFACE
METRO 27 270 x 440 mm (8.4 pcs / m^2)

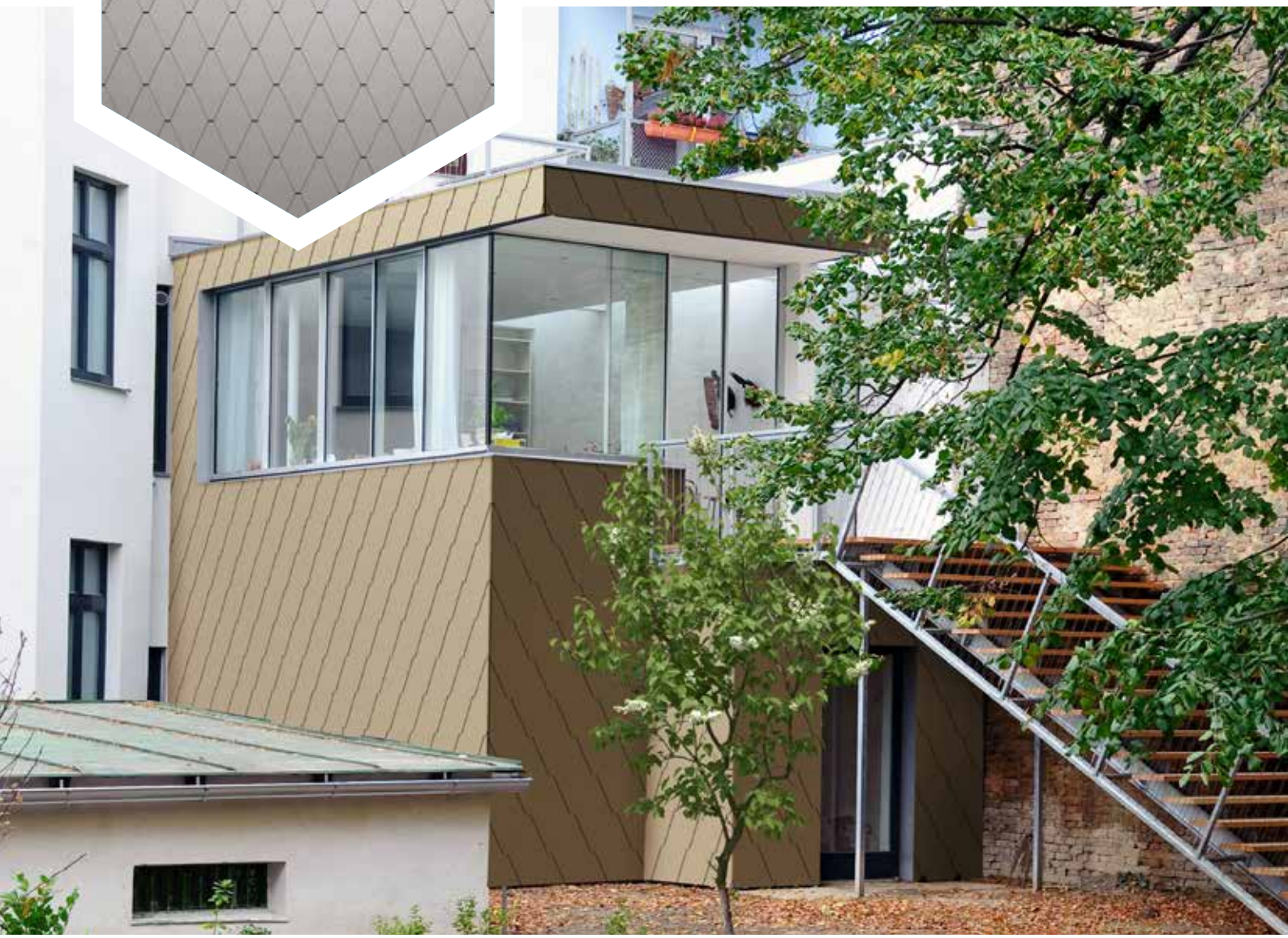
ROOF PITCH
from 22°

MATERIAL
various ROOFINOX designs & alloys
Acustic silencer included:
unique ROOFINOX ACUSTIC silencer strips attached to the back

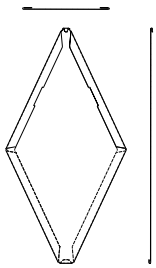
INSTALLATION
Fastening: concealed, with ROOFINOX expansion clips
Facade substrate: sheathing > 24 mm or metal substructure with ROOFINOX SC trapezoidal profile (non-flammable)
Roof substrate: sheathing > 24 mm, separating layer recommended.
Please follow local regulations for the use of additional waterproofing.

WEIGHT (thickness: 0.5 mm)
5.6 kg / m^2
Please follow country-specific standards and trade regulations.

Sophisticated and elegant, the small-format diamond shingle covers roofs and facades with delicate scales, protecting the building with all its might. The MANSARD 53 shingle frames dormers, gables and parapets particularly gracefully.



Coverage width:
270 x 530 mm



The very pointed design of the ROOFINOX MANSARD 53 roof and wall shingle ensures an exceptionally filigree appearance. The different effect in modern and traditional architecture is exciting. The MANSARD 53 diamond shingle is particularly appreciated for its textile-like structural appearance in the overall view. When installed partially, parts of the building are attractively emphasized and made more accessible. Covered in large areas, the result is a homogeneous, finely structured appearance.

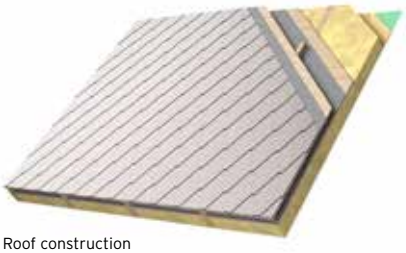
MANSARD 53

DIAMOND SHINGLE

THE ELEGANT ROOF AND FACADE SHINGLE

- filigree, elegant roof and wall design
- has a different effect in modern and traditional architecture
- also suitable for emphasising individual parts of buildings
- large area coverage results in a homogeneous, finely structured look

Wall construction



Roof construction

TECHNICAL DATA MANSARD 53

SIZE AND YIELD IN INSTALLED SURFACE
MANSARD 53 270 x 530 mm (14.6 pcs / m^2)

ROOF PITCH
from 22°

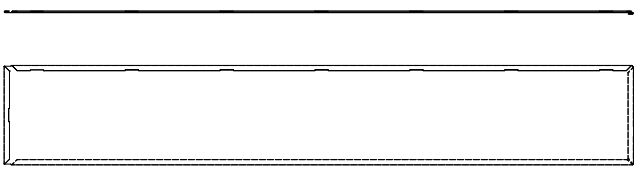
MATERIAL
various ROOFINOX designs & alloys
Acustic silencer included:
unique ROOFINOX ACUSTIC silencer strips attached to the back

INSTALLATION
Fastening: concealed, with ROOFINOX expansion clips
Facade substrate: sheathing > 24 mm or metal substructure with ROOFINOX SC trapezoidal profile (non-flammable)
Roof substrate: sheathing > 24 mm, separating layer recommended.
Please follow local regulations for the use of additional waterproofing.

WEIGHT (thickness: 0.5 mm)
6.2 kg / m^2
Please follow country-specific standards and trade regulations.

Clear and long structures result from this particularly slim but long rectangular shingle. On a large surface and covered horizontally or vertically, the ROOFINOX GRID 35 underlines elegance and practicality, but it can also be playfully broken up by skilfully designed offsets.

Coverage width:
2350 x 350 mm



The regular and slim format makes a clear statement. ROOFINOX GRID 35 covers the building like a delicate texture, for an aesthetic and discreet appearance. At the same time, its unusual format allows the compensation of a one-sided volume by stretching or compressing it, depending on the installation direction.

GRID 35

RECTANGULAR SHINGLE

THE FACADE CLADDING THAT CHARMINGLY ATTRACTS ATTENTION

- elongated shingles
- dynamic surface structure through offsets
- for contemporary architecture
- allows stretching or compressing of a volume
- lasts for generations

Wall construction

TECHNICAL DATA GRID 35

SIZE AND YIELD IN INSTALLED SURFACE
GRID 35 350 x 2350 mm (1.2 pcs / m^2)

ROOF PITCH
for facades only

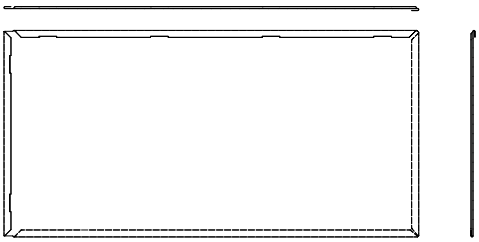
MATERIAL
various ROOFINOX designs & alloys
Acustic silencer included:
unique ROOFINOX ACUSTIC silencer strips attached to the back

INSTALLATION
Fastening: concealed, with ROOFINOX expansion clips
Facade substrate: sheathing > 24 mm or metal substructure with ROOFINOX SC trapezoidal profile (non-flammable)

WEIGHT (thickness: 0.5 mm)
4.8 kg / m^2
Please follow country-specific standards and trade regulations.

For friends of large-format and clear design language. Covering large areas, the look of the ROOFINOX GRID 56 follows the elegance and practicality of the design, but it can also be playfully interrupted by rectangular shingles in other sizes or different HFX stainless surface designs.

Coverage width:
1150 x 560 mm



With its continuous, large-scale format, GRID 56 makes a clear statement. ROOFINOX GRID 56 covers the building like a metallic skin, for an aesthetic and striking appearance. At the same time, its large format allows the observer to focus on details.

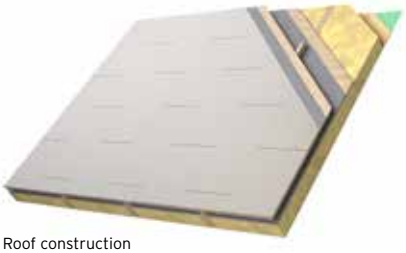
GRID 56

RECTANGULAR SHINGLE

THE LARGE-FORMAT SHINGLE FOR ROOF AND FACADE

- modern large format shingle
- dynamic surface structure
- for contemporary architecture
- 100 % maintenance free
- lasts for generations

Wall construction



Roof construction

TECHNICAL DATA GRID 56

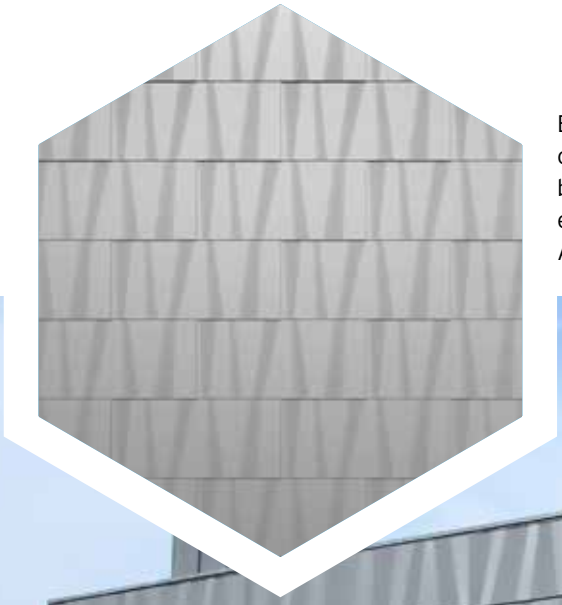
SIZE AND YIELD IN INSTALLED SURFACE
GRID 56 560 x 1150 mm (1.6 pcs / m^2)

ROOF PITCH
from 22°

MATERIAL
various ROOFINOX designs & alloys
Acustic silencer included:
unique ROOFINOX ACUSTIC silencer strips attached to the back

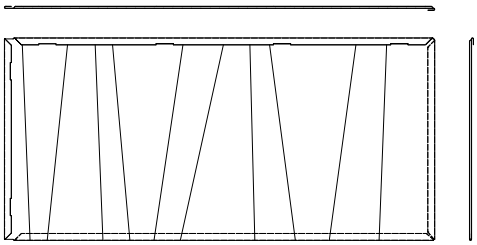
INSTALLATION
Fastening: concealed, with ROOFINOX expansion clips
Facade substrate: sheathing > 24 mm or metal substructure with ROOFINOX SC trapezoidal profile (non-flammable)
Roof substrate: sheathing > 24 mm, separating layer recommended.
Please follow local regulations for the use of additional waterproofing.

WEIGHT (thickness: 0.5 mm)
4.6 kg / m^2
Please follow country-specific standards and trade regulations.



Experience modernity with all the benefits of traditional craftsmanship. The consistent aesthetics and design for the entire building envelope are created by the interplay of light and shadow generated by the characteristic light edges. Whether inside or outside, above or below, wherever and however AXIS is used, it is entirely your project.

Coverage width:
1215 / 2435 x 560 mm



ROOFINOX AXIS is the design shingle in the style of the new objectivity. AXIS reveals modern character and surprising effects - the irregular structure of the roof and facade panel provides an interplay of light and shadow. When covering large areas, AXIS presents a wave-like image with a flowing appearance. AXIS has been creating exciting buildings and facades since 2007 - The Original.

AXIS 120

DESIGN SHINGLE

THE LARGE-FORMAT DESIGN SHINGLE FOR ROOF AND FACADE

- design shingle for modern facades and roofs
- surprising effects of light and shadow
- horizontally or vertically, the light effect remains
- two sizes for large-scale application
- the original since 2007

Wall construction

Roof construction

TECHNICAL DATA AXIS

SIZE AND YIELD IN INSTALLED SURFACE

AXIS 120	560 x 1215 mm (1.5 pcs / m^2)
AXIS 240 (facade only)	560 x 2435 mm (0.7 pcs / m^2)

ROOF PITCH
from 22°

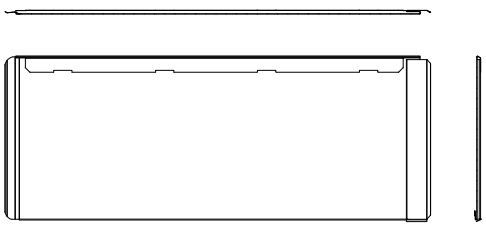
MATERIAL
various ROOFINOX designs & alloys
Acustic silencer included:
unique ROOFINOX ACUSTIC silencer strips attached to the back

INSTALLATION
Fastening: concealed, with ROOFINOX expansion clips
Facade substrate: sheathing > 24 mm or metal substructure with ROOFINOX SC trapezoidal profile (non-flammable)
Roof substrate: sheathing > 24 mm, separating layer recommended.
Please follow local regulations for the use of additional waterproofing.

WEIGHT (thickness: 0.5 mm)
4.4 kg / m^2
Please follow country-specific standards and trade regulations.

This evolution in roof and facade 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.

Coverage width:
886 / 443 / 1329 x 320 mm



The elegant, linear shape is ideal for refurbishment, as it can be laid on battens or sheathing. Even roof structures with low load-bearing capacity can be refurbished due to the low weight and HFX stainless is compatible with all materials. The integral system with full accessories allows roof and facade to be from one cast.

MATADOR 88

ROOF AND FACADE PANEL

THE STRONGEST ROOF AND FACADE PANEL IN THE WORLD

- extremely corrosion-resistant
- defies any storm (hail, storm, heavy rain, snow, heat, sun)
- maintenance-free and carefree
- ideal for renovation
- for roof pitches from 10°

Wall construction

Roof construction

TECHNICAL DATA MATADOR

SIZE AND YIELD IN INSTALLED SURFACE

MATADOR 88 (whole panel - Standard)	886 x 320 mm (3.5 pcs / m^2)
MATADOR 44 (half panel)	443 x 320 mm (7 pcs / m^2)
MATADOR 132 (one and a half panel)	1329 x 320 mm (2.4 pcs / m^2)

ROOF PITCH
from 10°

MATERIAL
CLASSIC, PEARL, CHROMA
Acustic silencer included:
unique ROOFINOX ACUSTIC silencer strips attached to the back

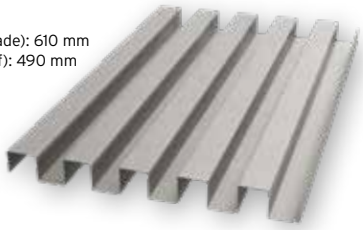
INSTALLATION
Fastening: concealed, with ROOFINOX expansion clips
Facade substrate: sheathing > 24 mm or metal substructure with ROOFINOX SC trapezoidal profile (non-flammable)
Roof substrate: sheathing > 24 mm, separating layer recommended.
Please follow local regulations for the use of additional waterproofing.

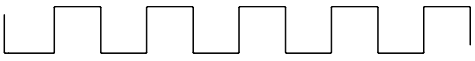
WEIGHT (thickness: 0.5 mm)
5.9 to 6.5 kg / m^2
Please follow country-specific standards and trade regulations.

If you want to design your roof or facade elegantly and in the spirit of reduction, you will enjoy the classic ornamentation of the ZAGROS 30 and ATLAS 62 meander profiles. The strictly linear structure paired with the clarifying effect of light and shadow created by the right-angled corrugations make these meander profiles something special.

ZAGROS 30
Coverage width (facade): 638 mm
Coverage width (roof): 582 mm

ATLAS 62
Coverage width (facade): 610 mm
Coverage width (roof): 490 mm





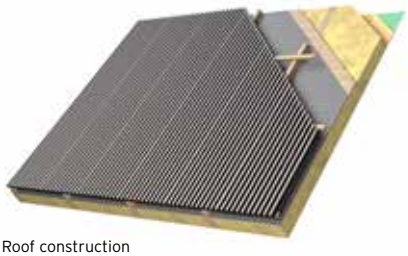
ZAGROS 30 and ATLAS 62 are exceptional architectural profiles characterised by orthogonal angles. This profile geometry creates a very calm, clearly structured appearance with exciting shadow effects. Used on the roof or in the facade, the profiles form a very noble and expressive envelope for the building, which enters into a lively dialogue with its surroundings.

ZAGROS 30
ATLAS 62

THE EXCEPTIONALLY APPEALING ARCHITECTURAL PROFILES

- elegant, reduced form
- extraordinary and classically aesthetic effect
- calm, clearly structured overall appearance
- two profiles with different heights
- mainly installed vertically

Wall construction



Roof construction

TECHNICAL DATA ZAGROS 30

SIZE IN INSTALLED SURFACE
Height: 30 mm
Length: 1000 – 6300 mm
Coverage width (facade): 638 mm
Coverage width (roof): 582 mm

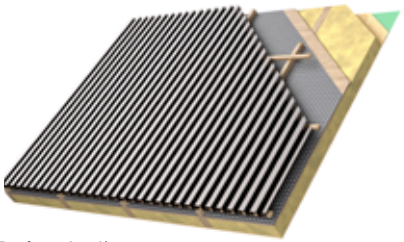
ROOF PITCH
from 3°

MATERIAL
various ROOFINOX designs & alloys
Acustic silencer included:
unique ROOFINOX ACUSTIC silencer strips attached to the back

INSTALLATION
Fastening: exposed, with stainless steel screws or rivets
Facade substrate: metal substructure vertical and horizontal
Roof substrate: battens 30 x 50 mm

WEIGHT (thickness: 0.5 mm)
7.7 kg / m^2
Please follow country-specific standards and trade regulations.

Wall construction



Roof construction

TECHNICAL DATA ATLAS 62

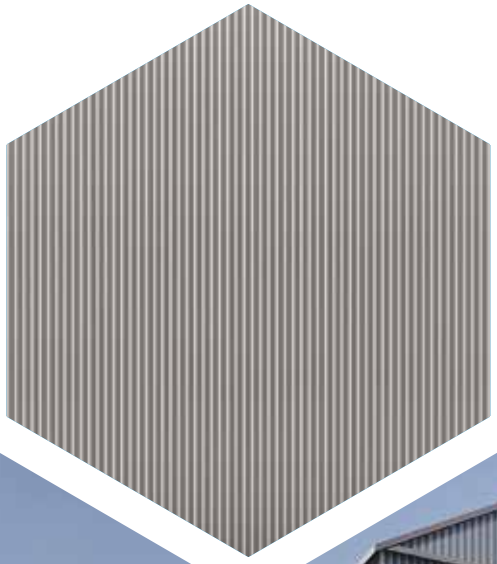
SIZE IN INSTALLED SURFACE
Height: 62 mm
Length: 1000 – 6300 mm
Coverage width (facade): 610 mm
Coverage width (roof): 490 mm

ROOF PITCH
from 3°

MATERIAL
various ROOFINOX designs & alloys
Acustic silencer included:
unique ROOFINOX ACUSTIC silencer strips attached to the back

INSTALLATION
Fastening: exposed, with stainless steel screws or rivets
Facade substrate: metal substructure vertical and horizontal
Roof substrate: battens 30 x 50 mm

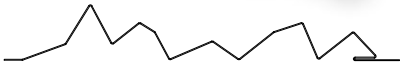
WEIGHT (thickness: 0.5 mm)
8.1 kg / m^2
Please follow country-specific standards and trade regulations.



The ROOFINOX URAL 16 and ALTAI 60 pointed profiles cover your building like a moving curtain. These special profiles are made for modern, uniform facades as if cast from one mould. The structure dissolves completely with a little distance and creates the effect of a blowing curtain.

URAL 16
Coverage width (facade): 950 mm

ALTAI 60
Coverage width (facade): 382 mm

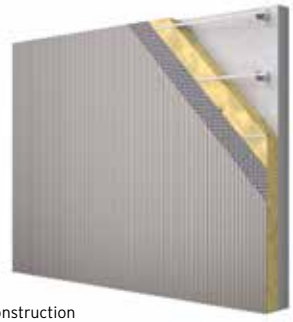


URAL 16 and ALTAI 60 are highly exciting, homogeneously structured architectural profiles. They play with the perception of the observer and present an amazing pleated effect. The continuous juxtaposition of individual peaks is geometric in its effect and playful at the same time. URAL 16 and ALTAI 60 facades give the impression that the building is wrapped in dynamic, delicately woven fabric, yet they form a durable and protective shell.

URAL 16
ALTAI 60

THE FACADE PROFILES WITH PLEATED EFFECT

- homogeneous structure in the overall picture
- decorative pointed profiles made of prisms
- aesthetic pleated effect
- robust despite filigree appearance
- maintenance-free and colourfast



Wall construction

TECHNICAL DATA URAL 16

SIZE IN INSTALLED SURFACE
Height: 16 mm
Length: 1000 – 4200 mm
Coverage width (facade): 950 mm

ROOF PITCH
for facades only

MATERIAL
various ROOFINOX designs & alloys
Acustic silencer included:
unique ROOFINOX ACUSTIC silencer strips attached to the back

INSTALLATION
Fastening: exposed, with stainless steel screws or rivets
Facade substrate: metal substructure vertical and horizontal
Roof substrate: battens 30 x 50 mm

WEIGHT (thickness: 0.5 mm)
5,7 kg / m^2
Please follow country-specific standards and trade regulations.

Wall construction

TECHNICAL DATA ALTAI 60

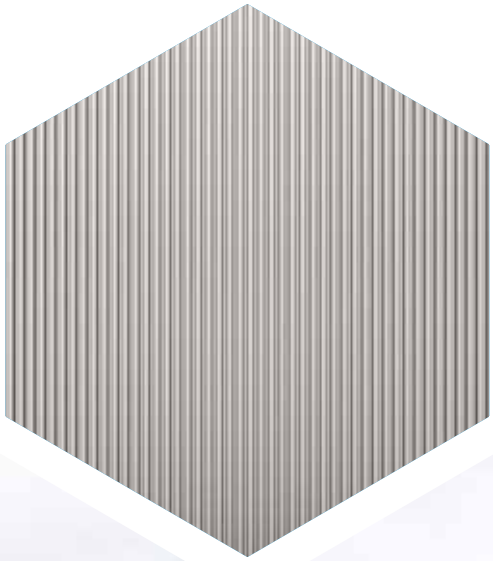
SIZE IN INSTALLED SURFACE
Height: 60 mm
Length: 1000 – 3500 mm
Coverage width (facade): 382 mm

ROOF PITCH
for facades only

MATERIAL
various ROOFINOX designs & alloys
Acustic silencer included:
unique ROOFINOX ACUSTIC silencer strips attached to the back

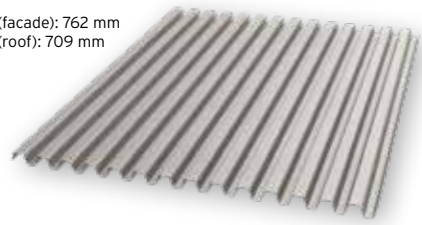
INSTALLATION
Fastening: exposed, with stainless steel screws or rivets
Facade substrate: metal substructure vertical and horizontal
Roof substrate: battens 30 x 50 mm

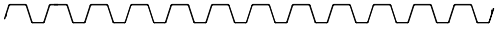
WEIGHT (thickness: 0.5 mm)
6.5 kg / m^2
Please follow country-specific standards and trade regulations.



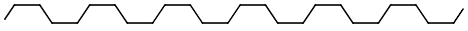
Re-think the principle of trapezoidal profiles for roofs and facades. Ideally suited for high grade construction, the architectural profiles DOLOMIT 25 and JURA 40 enable completely new approaches to roof and facade design. DOLOMIT 25 and JURA 40 share only the functional principle with the well-known industrial facades; their aesthetics put them in a class of their own.

DOLOMIT 25
Coverage width (facade): 762 mm
Coverage width (roof): 709 mm





JURA 40
Coverage width (facade): 977 mm
Coverage width (roof): 816 mm



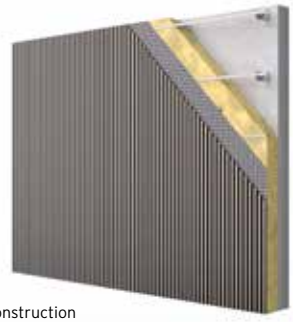
DOLOMIT 25 and JURA 40 trapezoidal profiles put seemingly old familiar things in a new light. High-contrast surfaces set accents on the building envelope without imposing themselves. In use, they function like a curtain for the building. With well-placed perforations or defined perforations, the „curtain" can also be stretched over windows and skilfully conceal facade openings.

TRAPEZOIDAL PROFILE

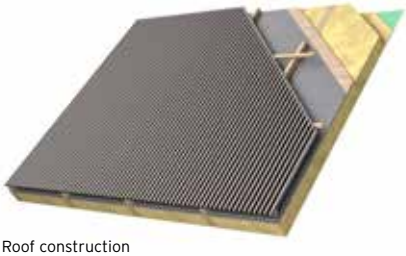
DOLOMIT 25
JURA 40

THE EXCEPTIONALLY APPEALING ARCHITECTURAL PROFILES

- sets contrasting accents
- unobtrusive in design
- puts the familiar in a new light
- DOLOMIT 25: fine and asymmetrical profile
- JURA 40: efficient and symmetrical profile



Wall construction



Roof construction

TECHNICAL DATA DOLOMIT 25

SIZE IN INSTALLED SURFACE
Height: 25 mm
Length: 1000 – 6300 mm
Coverage width (facade): 762 mm
Coverage width (roof): 709 mm

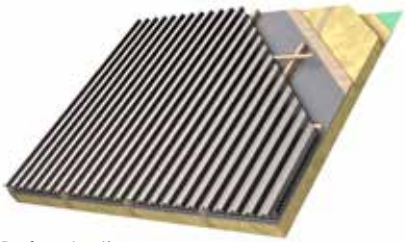
ROOF PITCH
from 3°

MATERIAL
various ROOFINOX designs & alloys
Acustic silencer included:
unique ROOFINOX ACUSTIC silencer strips attached to the back

INSTALLATION
Fastening: exposed, with stainless steel screws or rivets
Facade substrate: metal substructure vertical and horizontal
Roof substrate: battens 30 x 50 mm

WEIGHT (thickness: 0.5 mm)
6.5 kg / m^2
Please follow country-specific standards and trade regulations.

Wall construction



Roof construction

TECHNICAL DATA JURA 40

SIZE IN INSTALLED SURFACE
Height: 40 mm
Length: 1000 – 6300 mm
Coverage width (facade): 977 mm
Coverage width (roof): 816 mm

ROOF PITCH
from 3°

MATERIAL
various ROOFINOX designs & alloys
Acustic silencer included:
unique ROOFINOX ACUSTIC silencer strips attached to the back

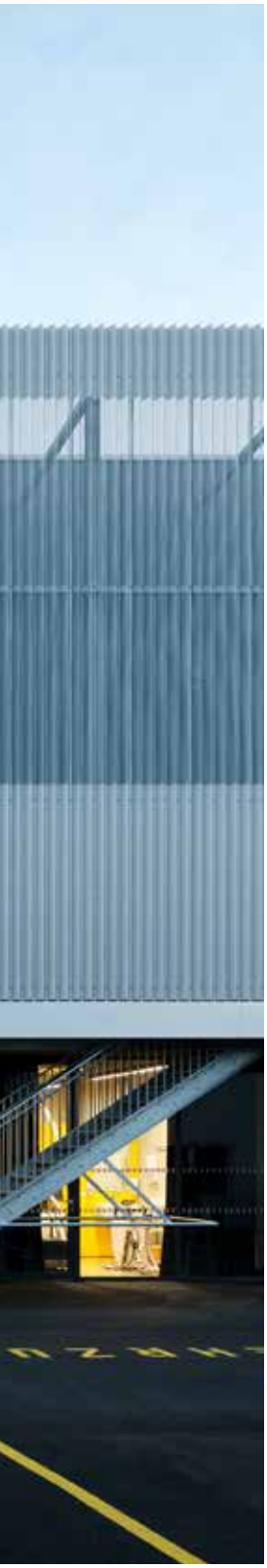
INSTALLATION
Fastening: exposed, with stainless steel screws or rivets
Facade substrate: metal substructure vertical and horizontal
Roof substrate: battens 30 x 50 mm

WEIGHT (thickness: 0.5 mm)
5.1 kg / m^2
Please follow country-specific standards and trade regulations.

Raiffeisen Sportpark, Graz:
prismatic architectural profile made of
ROOFINOX CLASSIC with perforated sections

PERFORATION

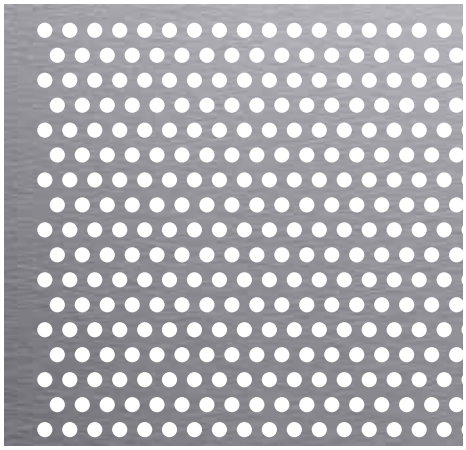
PERFORATED METAL FOR TRANSPARENCY IN DESIGN



All ROOFINOX facade elements can also be manufactured in a perforated version. Thus, our facade elements are also suitable as a screen or solar protection. HFX stainless from ROOFINOX is the ideal material for perforated sheets; the outstanding strength of the material leads to maximum surface stability. Without additional surface treatment, the extraordinarily high corrosion protection is maintained.

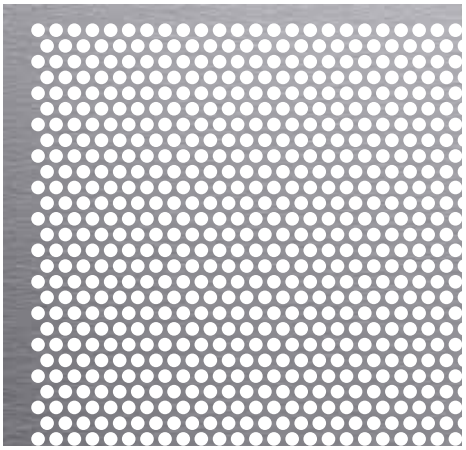
PERFORATION 1

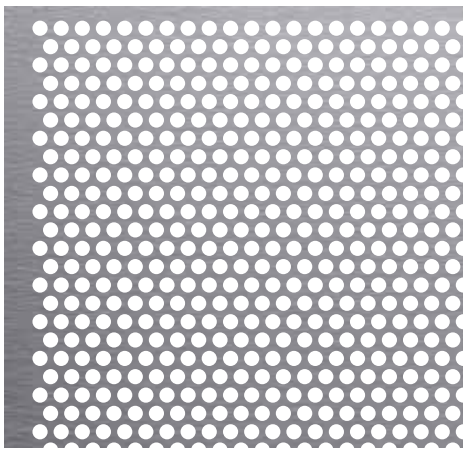
Description: RVi0530
Hole diameter: 5 mm
Open area (A0): 30 %



PERFORATION 2

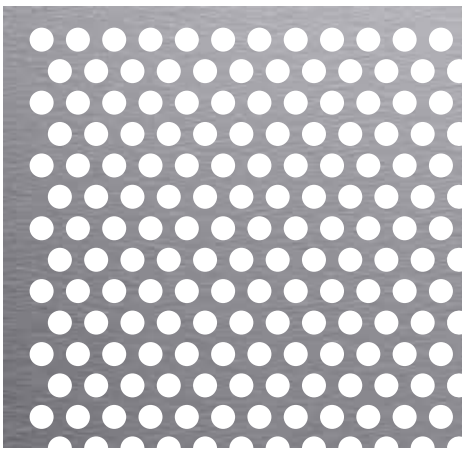
Description: RV0351
Hole diameter: 3 mm
Open area (A0): 51 %





PERFORATION 3

Description: RV0546
Hole diameter: 5 mm
Open area (A0): 46 %



PERFORATION 4

Description: RV0840
Hole diameter: 8 mm
Open area (A0): 40 %

Drainage Flashings

- Roof drainage | half-round
- Roof drainage | half-round 316L
- Roof drainage | box
- Roof drainage | electro-coloured
- Flashings | coping, profiles
- Soldering

ROOFINOX gutters

THE BEST GUTTER ON THE MARKET

The gutter is a small but important part of the building, because a well-planned roof drainage system protects the property from moisture damage in the long term.

ROOFINOX gutters not only look good but also save you annoying repairs and maintenance work due to the advantages of HFX stainless.

WHAT MAKES A GOOD GUTTER?

FUNCTION

- durable and rust-free
- maintenance-free
- robust (defies all weather conditions)
- solderable -> long-term tight!
- can be combined with all materials
- 100 % UV-resistant

BEAUTY

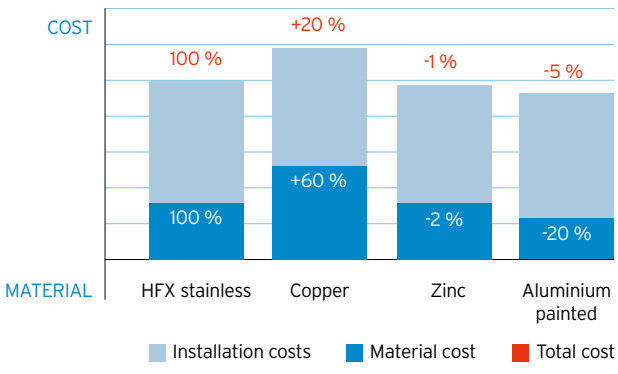
- well thought-out system
- all from one source
- remains as it is
- timeless elegance
- 4 times more matte

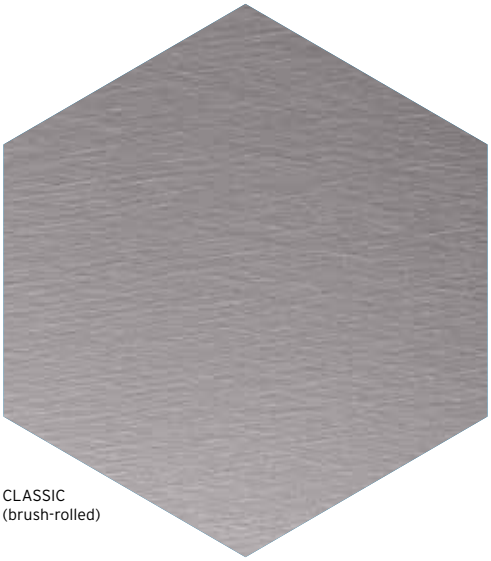
COST COMPARISON OF A METAL ROOF DRAINAGE SYSTEM

The ROOFINOX gutter made of HFX stainless offers more than all the others without significant additional costs!

The graph opposite compares the costs of a typical roof drainage system made of different materials.

THE TOTAL COST OF A ROOF DRAINAGE SYSTEM MADE OF HFX STAINLESS IS ABOUT THE SAME AS FOR ZINC OR PAINTED ALUMINIUM AND APPROX. 20 % LOWER THAN COPPER.





CLASSIC
(brush-rolled)

Half-round

THE CLASSIC GUTTER

Dimensions: 25 / 28 / 33 / 40 / 50
Design: CLASSIC
Alloy: 304 | 316L

ONLY GENUINE WITH THE BRUSH-ROLLED SURFACE

THE COMPLETE DRAINAGE SYSTEM AND ACCESSORIES FROM A SINGLE SOURCE.

1 Gutter (various lengths)
2 End cap
3 Fascia bracket
4 Gutter bracket
5 Gutter bracket wrapped
6 Wire strainer
7 Miter (outside & inside) deep drawn or soldered
8 Drop outlet
9 Elbow (40°/ 72°/ 85°)
10 Downspout
11 Ground pipe cover
12 Offset outlet
13 Gutter expansion joint
14 Leader head (various versions)
15 Rainwater diverter kit
16 Elbow (45°/ 70°/ 87°)
17 Adjustable rainwater diverter
18 Downspout bracket
19 Branch 72°
20 Shoe 50 – 70 mm offset
21 Side funnel
22 Cup outlet

For more information about available dimensions, please refer to our catalogue.

HALF-ROUND 316L
THE SALT RESISTANT GUTTER!

With our alloy 316L, you are prepared for even the most demanding influences. Even and especially under particularly challenging conditions such as those found near the sea, in industrial applications or with heavy use of de-icing salt.

PEACE OF MIND SUSTAINABLE BEAUTIFUL

Box

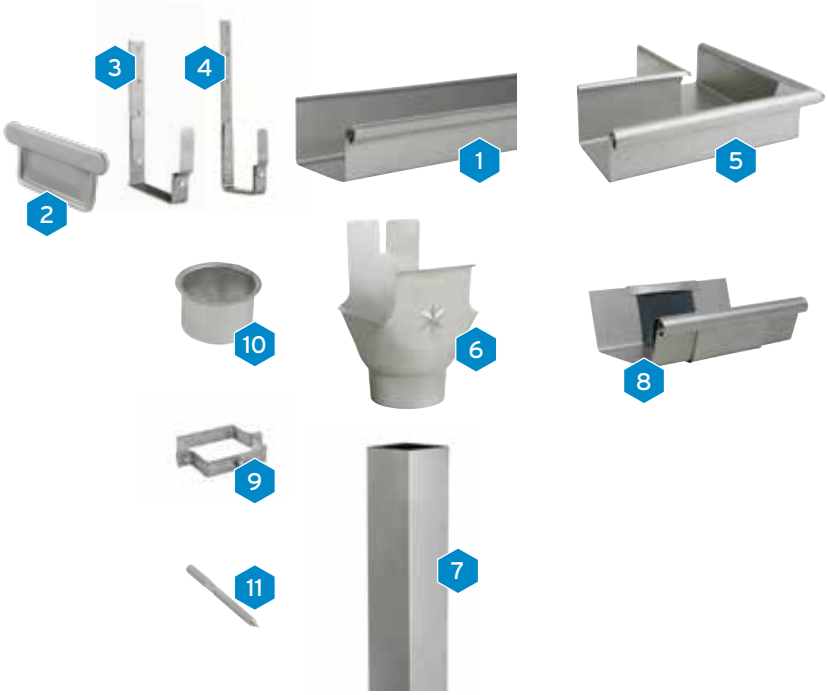
THE MODERN GUTTER

Dimensions: 25 / 33 / 40
Design: CLASSIC
Alloy: 304

ONLY GENUINE WITH THE BRUSH-ROLLED SURFACE

CLASSIC
(brush-rolled)

EVERYTHING FROM ONE SOURCE.

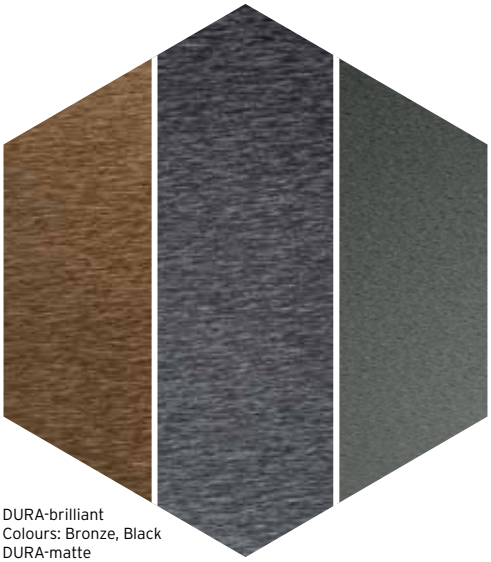


1 Gutter (various lengths)
2 End cap
3 Gutter bracket
4 Gutter bracket wrapped
5 Miter (outside & inside) deep drawn or soldered
6 Drop outlet
7 Downspout
8 Gutter expansion joint
9 Downspout bracket
10 Cup outlet
11 Threaded pin M10

For more information about available dimensions, please refer to our catalogue.

RAINWATER HARVESTING

Use your rainwater, ROOFINOX offers you the best starting position for this.
Read more on page 77.



DURA-brilliant
Colours: Bronze, Black
DURA-matte
Colours: Anthracite
(brush-rolled & electro-coloured)

Half-round
electro-coloured

THE COLOURED SHIMMERING GUTTER

Dimensions: 33
Design: DURA-brilliant | Colours: Bronze, Black
Design: DURA-matte | Colours: Anthracite
Alloy: 304

1 Gutter
2 End cap
3 Gutter bracket
4 Miter (outside & inside) deep drawn
5 Drop outlet
6 Elbow (40°/ 72°/ 85°)
7 Downspout
8 Ground pipe cover
9 Gutter expansion joint
10 Downspout bracket
11 Leader head
12 Shoe 50 – 70 mm offset

For more information about available dimensions, please refer to our catalogue.

- as a colour contrast or matching with the facade / roof covering
- maintenance-free gutters made of permanently coloured HFX stainless
- can be excellently combined with wood, slate or clay tiles
- the best choice, whether renovation or new construction
- no heavy metal run-off
- 100 % natural
- no paints, varnishes or pigments

CLASSIC | DURA-matte Anthracite | DURA-brilliant Black | DURA-brilliant Bronze

ONLY GENUINE WITH THE BRUSH-ROLLED SURFACE

FLASHINGS

THE RIGHT PROTECTION FOR THE CORNERS AND EDGES OF A BUILDING

WHAT ARE FLASHINGS?

We use the term flashings to describe the covering and cladding of critical areas of the building with metal in order to protect them from moisture and mechanical stress.

WHERE AND WHY ARE FLASHINGS NECESSARY?

Regardless of the materials used to clad a building, transitions as well as connections and terminations (interfaces) on the roof and facade must be sealed and protected.

The elementary task of flashings is to protect these critical points on the building from water ingress.

WHAT ARE CRITICAL POINTS ON THE BUILDING?

All areas, where the building is not sufficiently protected from moisture by the roof and facade coverings, are critical points. For example, at transitions in the slope or of different materials, at connections and terminations, or at the skirting of the roof or facade. The penetration of a chimney or skylight requires professional flashings and trim as well. In short: all corners and edges of the building.

COMPARISON OF POSSIBLE PROBLEMS WHEN USING UNSUITABLE MATERIALS AND THE ADVANTAGES OF USING HFX STAINLESS:

OTHER MATERIALS:	HFX stainless:
✗ rust ✗ pitting	highest corrosion resistance ✓
✗ fading, yellowing	100 % UV-resistant ✓
✗ delamination of paint	no paint, no pigment, no coating ✓
✗ mirroring and shiny material	4 times matte ✓
✗ hail and storm damage ✗ cracks due to expansion ✗ damage due to vandalism	strongest metal ✓
✗ leaky (glued) seams	only soldering keeps 100 % tight ✓
✗ incompatible materials (e.g. aluminium and copper)	perfectly combinable ✓
✗ heavy metal run-off / contamination of soil and groundwater ✗ pollution → cleaning / maintenance	100 % natural surfaces ✓ environmentally friendly & recyclable ✓
✗ maintenance (protective paints, repairs, etc.)	maintenance-free and self-cleaning ✓
✗ corrosion ✗ damage due to pets and wildlife	natural self-healing-mechanism ✓
✗ individual components do not fit together	matching integral system variety of designs and colours ✓

SECURE YOUR ADVANTAGE

- _____ insist on a 60-year warranty
- _____ make your decision easy, choose the best material
- _____ invest properly from the start, avoid annoying and costly repairs and maintenance
- _____ choose timeless elegance
- _____ play it safe with HFX stainless from ROOFINOX

PEACE OF MIND SUSTAINABLE BEAUTIFUL

Soldering

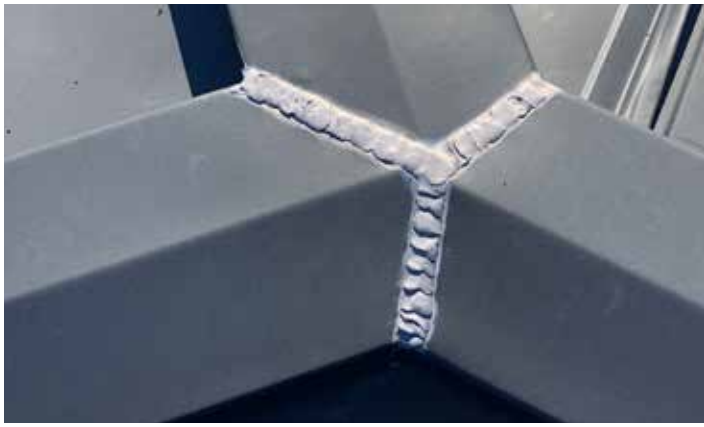
When using HFX stainless, the need, to connect different components with each other, arises in numerous details. When using HFX stainless in the building envelope, such as on the roof, on the facade, in roof drainage or in flashings, it is not just important that these connections are reliable and durable. The joints must also look aesthetically pleasing and most importantly, be tight to protect the building from water penetration.

There are several possibilities to get the connections of HFX stainless components stable and tight. The best known and recommended way for ROOFINOX HFX stainless is soldering, which works perfectly with ROOFINOX FLM flux and lasts for an eternity.

THE FOLLOWING IS REQUIRED FOR DURABLE AND CLEAN SOLDERED SEAMS:

- soldering iron with copper piece
- solder (30 %, 40 %, 50 % solder possible)
- sal-ammoniac block (pure sal-ammoniac, no tinningblock)
- ROOFINOX FLM - stainless steel flux
- flux-brush
- cleaning cloth
- fresh water

For further information please refer to our soldering instruction (www.roofinox.com).



RIVETING

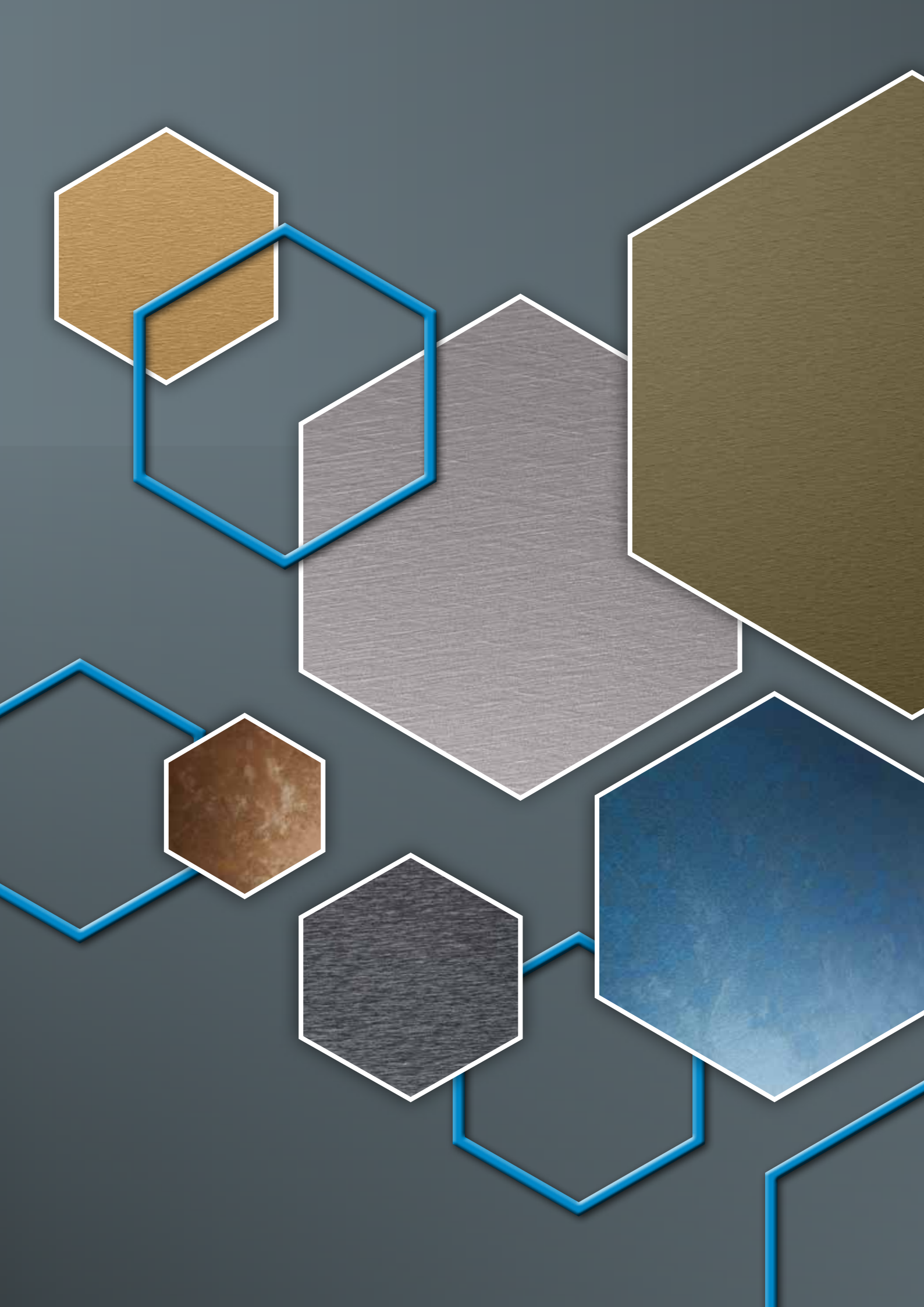
Joints in gutters, internal gutters, etc. are subject to strong mechanical loads due to thermal expansion. Therefore, in addition to soldering, a mechanical connection (riveting) is necessary. In this case, the solder mainly has a sealing function. As rivets we recommend stainless steel - rivets (shaft and mandrel made of stainless steel) or our BLINI (tin-plated stainless steel rivets) for particularly easy soldering.

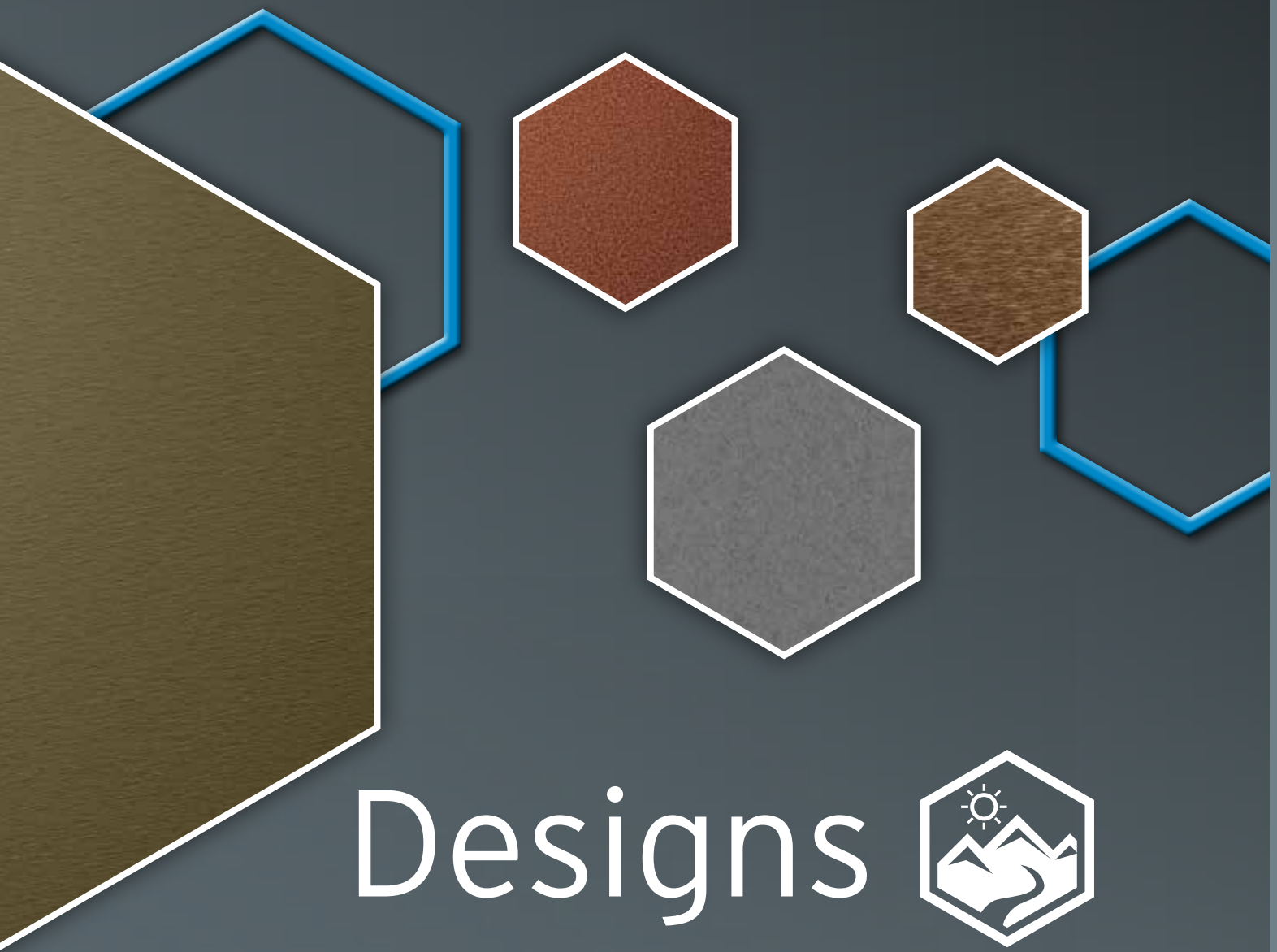
FOR ALL THOSE WHO PREFER SEALING OVER SOLDERING

Particularly in the area of roof drainage, for example when connecting gutters, adhesive joints have become established in recent years and the use of adhesive joints is also increasing for ventilated curtain walls in order to avoid visible soldered seams or rivets.

In order to be able to guarantee a safe use of sealing ROOFINOX HFX stainless, ROOFINOX has carried out various sealing and adhesion tests with an established adhesive manufacturer. These tests were carried out on all surfaces without primer. All tests confirmed that HFX stainless can be permanently bonded.

As usual, the material must be cleaned and degreased before sealing according to the manufacturer's instructions. The use of a primer was not necessary with the products we tested. We expressly point out that the specifications and guidelines of the adhesive manufacturer must be observed. For further information please contact us. Test certificates and product information are available on request.





Designs

- CLASSIC | brush-rolled
- PEARL | bead-blasted
- CHROMA | mirror-rolled
- TIN (terne) | brush-rolled and tin-plated
- PLUS | brush-rolled and ribbed
- DURA-matte | brush-rolled and electro-coloured
- DURA-brilliant | brush-rolled and electro-coloured
- PYRA | bead-blasted and electro-coloured
- PLASMA | brush-rolled and plasma-coloured
- IONIC | bead-blasted and plasma-coloured
- OPTRON | mirror-rolled and plasma-coloured
- PROTON | proton-coloured

CLASSIC

MATTE | TEXTILE | RELIABLE

Surface: brush-rolled

MATTE
TEXTILE
RELIABLE

SPECIAL FEATURES OF THE CLASSIC DESIGN

- 4 times matte due to unique brush-rolling
- textile feel
- reliable, easy to work with, providing peace of mind

ADVANTAGES AND CHARACTERISTICS

- no reflection or glare
- 4-times stronger than aluminium
- interplay with surroundings, lighting and weather conditions
- soft, organic grain
- diverse formats and installation techniques
- available in large and small formats
- matching integral system and accessories
- highly flexible and up to 35 % softer
- easy to process (cut, seam, fold, form)
- easy to solder

Surface samples are included in Designboard Volume 1.

Note: CLASSIC is available as seamable HFX coils and sheet metal.
CLASSIC is also available with ribbed surface.
For more detailed information and dimensions, please refer to our catalogue.

PEARL

ULTRA-MATTE | VELVETY | ELEGANT

Surface: bead-blasted

ULTRA-MATTE
VELVETY
ELEGANT

SPECIAL FEATURES OF THE PEARL DESIGN

- ultra-matte due to unique bead-blasting process
- velvety texture
- elegant aesthetics, homogeneous and matte

ADVANTAGES AND CHARACTERISTICS

- no shine and no reflection, glare-free
- no patina
- diverse formats and installation techniques (shingles, architectural profiles and standing seam)
- non-directional bead-blasting and HFX pickling
- easy to process (cutting, seaming, folding, forming)
- easy to solder
- easy to care for and maintenance-free

Surface samples are included in Designboard Volume 1.

Note: PEARL is available as seamable HFX coils and sheet metal.
PEARL is also available with ribbed surface.
For more detailed information and dimensions, please refer to our catalogue.

CHROMA

SPECULAR | EXCEPTIONAL | ADAPTABLE

Surface: mirror-rolled

SPECULAR
EXCEPTIONAL
ADAPTABLE

SPECIAL FEATURES OF THE CHROMA DESIGN

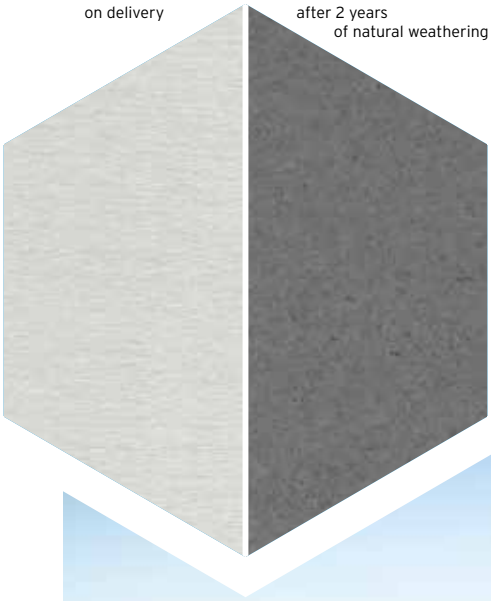
- specular design: optimised for planar architectural applications
- adaptable surface: eye-catching mirror, rippled water surface or cloaking camouflage
- for exceptional architecture, bold designs or particularly restrained designs

ADVANTAGES AND CHARACTERISTICS

- highest colour fastness due to reduced grey tone: for durable and lively aesthetics
- applicable everywhere: city, countryside, forest, mountain, meadow, beach
- suitable for interior and exterior: facade, accent, lobby, soffit or furniture
- more than 90 % of the mirror sharpness of mechanically polished stainless
- easy to seam due to specific heat treatment
- 50 % less roughness than bright annealed stainless steel
- 100 % natural surface

Surface samples are included in Designboard Volume 1.

Note: CHROMA is available as seamable HFX coils and sheet metal.
CHROMAis also available with ribbed surface.
For more detailed information and dimensions, please refer to our catalogue.



TIN (terne)

PATINATING | NATURAL | VALUE-PRESERVING

Surface: brush-rolled and tin-plated

PATINATING
NATURAL
VALUE-
PRESERVING

SPECIAL FEATURES OF THE TIN (TERNE) DESIGN

- patinating, naturally weathering surface in shades of grey
- natural variation and irregularity as an expression of a natural ageing process
- value-preserving for the renovation of historic buildings or contemporary architecture

ADVANTAGES AND CHARACTERISTICS

- darkest patina
- natural patination process takes 1/2 to 3 years
- perfect combination with natural building materials: wood, stone, glass
- ideal for roofs: uneven weathering of the facade may be undesirable
- evolution and change as part of the design
- grey patina, depending on environmental influences
- slightly preweathered for a more matte appearance
- easy to solder
- different alloys for different requirements or environments

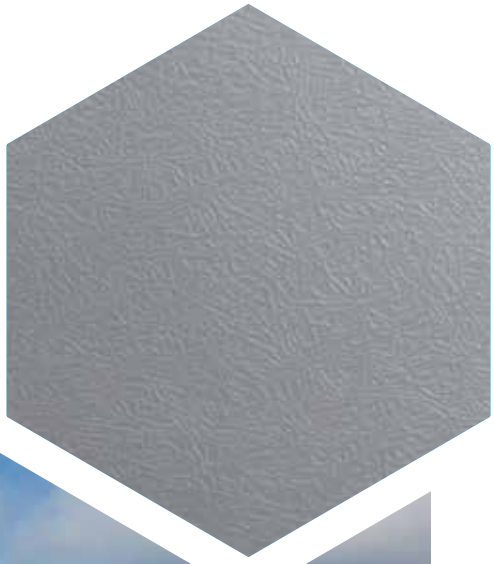
Surface samples are included in Designboard Volume 1.

Note: TIN (terne) is available as seamable HFX coils and sheet metal.
TIN (terne) is also available with ribbed surface.
For more detailed information and dimensions, please refer to our catalogue.

PLUS

TEXTURED | STRIKING | RESILIENT

surface: brush-rolled and ribbed



TEXTURED
STRIKING
RESILIENT

SPECIAL FEATURES OF THE PLUS DESIGN

- texture visible from up close
- striking appearance due to surface stabilization
- even more resilient and resistant to hail, dents and stress

ADVANTAGES AND CHARACTERISTICS

- rib embossed surface with positive / negative
- increased surface stability
- 0.4 mm thickness: cost-effective due to 20 % material savings
- diffuse reflection for smoother appearance
- especially matte and smooth roof and facade panels: the rib embossing is not visible from a distance
- especially functional design
- higher protection against vandalism

Surface samples are included in Designboard Volume 1.

Note: PLUS is available as seamable HFX coils and sheet metal.
For more detailed information and dimensions, please refer to our catalogue.

DURA-matte
Bronze

DURA-matte

COLOURED | EXTRA-LONG | DURABLE

Surface: brush-rolled and electro-coloured

COLOURED
EXTRA-LONG
DURABLE

SPECIAL FEATURES OF THE DESIGN DURA-MATTE

- coloured without paints and pigments, therefore no ageing
- extra-long panels up to 12 m long
- guaranteed long-term durability

ADVANTAGES AND CHARACTERISTICS

- colour is created by light interference, thus no fading, yellowing or flaking
- matte surface with intensive colour effect
- natural variation in shade of colour
- easy to process: bending, seaming, soldering
- proven process for over 45 years

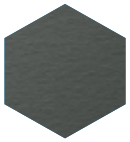
AVAILABLE COLOURS

Surface samples are included in Designboard Volume 1.


Champagne


Bronze


Antique-gold


Anthracite


additional colours on request

Note: DURA-matte is only available as seamable HFX sheet metal (max. length 12 m).
DURA-matte is also available with ribbed surface.
For more detailed information and dimensions, please refer to our catalogue.

DURA-brilliant

COLOURED | GRACEFUL | DURABLE

Surface: brush-rolled and electro-coloured

DURA-brilliant
Bronze

COLOURED
GRACEFUL
DURABLE

SPECIAL FEATURES OF THE DESIGN DURA-BRILLIANT

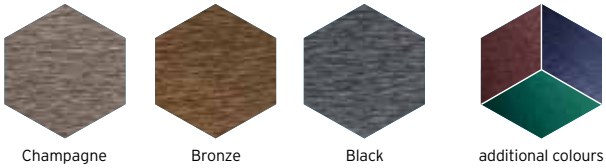
- colour without colour due to light interference
- graceful surface in brilliant finish
- durable colour without fading, yellowing or flaking

ADVANTAGES AND CHARACTERISTICS

- no paints or pigments: no ageing
- uncomparable texture of the brush-rolled surface is preserved
- free design possibilities, from small to large format
- natural variation in shade of colour
- colour with guaranteed long-term resistance
- easy to process: bending, seaming, soldering
- proven technology for over 45 years

AVAILABLE COLOURS

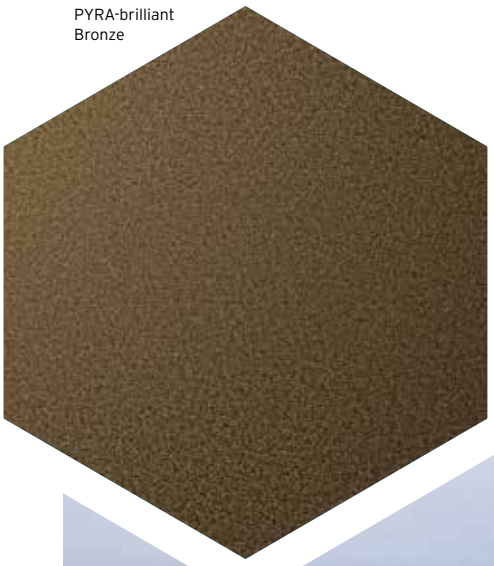
Surface samples are included in Designboard volume 1.



Champagne | Bronze | Black | additional colours on request

Note: DURA-brilliant is only available as seamable HFX sheet metal (max. length 6.4 m).
DURA-brilliant is also available with ribbed surface.
For more detailed information and dimensions, please refer to our catalogue.

PYRA-brilliant
Bronze



PYRA

COLOURED | GLITTERING | EXCLUSIVE

Surface: bead-blasted and electro-coloured

COLOURED
GLITTERING
EXCLUSIVE

SPECIAL FEATURES OF THE PYRA DESIGN

- colour without colour due to light interference
- glittering and shimmering colours
- exclusive design for exterior and interior use

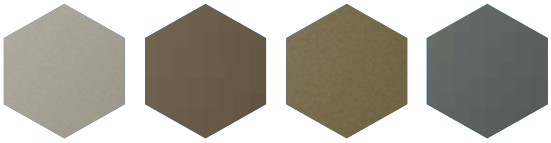
ADVANTAGES AND CHARACTERISTICS

- two finishes - glittering brilliant or velvety matte
- free of paints, dyes or pigments
- colour with guaranteed long-term durability
- easy to process: bending, seaming, soldering
- natural variation in shade of colour
- various installation techniques: large format to small format
- suitable for interior and exterior: facade, accent, lobby, soffit or furniture

AVAILABLE COLOURS

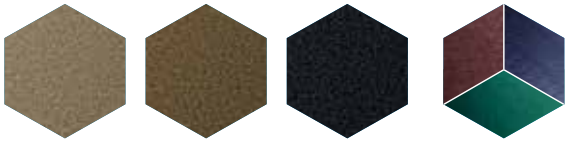
Surface samples are included in Designboard volume 2.

PYRA-matte



Champagne | Bronze | Antique-gold | Anthracite

PYRA-brilliant



Champagne | Bronze | Black | additional colours on request

Note: PYRA-matte and PYRA-brilliant are only available as seamable HFX sheet metal (max. length 6.4 m).
For more detailed information and dimensions, please refer to our catalogue.

PLASMA

GOLDEN | MATTE | EXTRAORDINARY

Surface: brush-rolled and plasma-coloured

IONIC

GOLDEN | HOMOGENEOUS | NOBLE

Surface: bead-blasted and plasma-coloured

OPTRON

GOLDEN | REFLECTIVE | SELF-CONFIDENT

Surface: mirror-rolled and plasma-coloured

GOLDEN
WITH THREE
TEXTURES

SPECIAL FEATURES OF THE DESIGNS PLASMA, IONIC AND OPTRON:

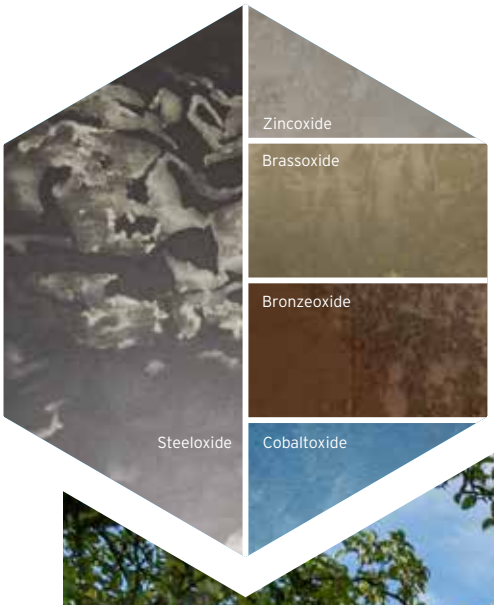
- golden surface: independent of the viewing angle
- three different surface finishes:
  brush-rolled, bead-blasted, mirror-rolled
- extraordinary, noble and self-confident designs

ADVANTAGES AND CHARACTERISTICS

- no ageing, no fading, yellowing or flaking
- proven process for over 50 years
- easy to process, highly flexible and malleable
- for interior and exterior use
- radiant gold with long-term durability
- free of paints and organic compounds
- Surface does not change, no ageing

Surface samples are included in Designboard Volume 2.

Note: PLASMA, IONIC, OPTRON are only available as seamable HFX sheet metal (max. length 6 m).
For more detailed information and dimensions, please refer to our catalogue.



PROTON

MARBLED | DURABLE | UNEXPECTED

Surface: proton-coloured

MARBLED
DURABLE
UNEXPECTED

CHARACTERISTICS OF THE PROTON DESIGN

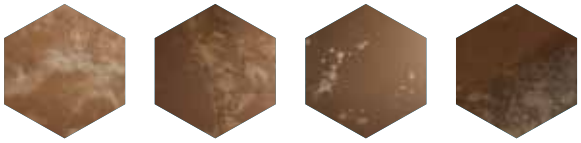
- marbled and cloudy grain with natural variation
- durable colours and decors that do not change
- unexpected versatility of the material for unexpected designs
- unique pieces for individualism

ADVANTAGES AND CHARACTERISTICS

- four decors and five colours can be combined as desired
- no paint, no pigments and therefore no problems such as fading, yellowing, or delaminating
- uneven surface, as with all natural materials
- does not change and compatible with all materials
- highly flexible and malleable in a variety of installation patterns
- suitable for indoors and outdoors, as an accent or over large areas

AVAILABLE DECORS

Surface samples are available on request.



Kristall | Erosion | Fluid | Organik

UNIQUENESS

The liveliness of the surface is created in a natural process, variations in colour and effect intensity are an essential part of this design.

Note: PROTON is only available as seamable HFX sheet metal (max. length 6.4 m).
For more detailed information and dimensions, please refer to our catalogue.

DIMENSIONS SEAMABLE HFX COILS AND SHEET METAL

CLASSIC

ALLOY	304					316L				
Metal thickness	0.4 mm	0.5 mm	0.6 mm	0.8 mm	1.2 mm	0.4 mm	0.5 mm	0.6 mm	0.8 mm	1.2 mm
500 mm	•	•				•	•			
600 mm	•									
625 mm		•	•	•		•	•	•		
800 mm		•								
1.000 mm	•	•				•	•	•		
1.200 mm	•									
1.250 mm		•	•	•	•	•	•	•		

Note: Strips and sheet metal are available also. Other dimensions are available on request.
For detailed information, please refer to our catalogue.

PEARL

ALLOY	304					316L				
Metal thickness	0.4 mm	0.5 mm	0.6 mm	0.8 mm	1.2 mm	0.4 mm	0.5 mm	0.6 mm	0.8 mm	1.2 mm
500 mm		•								
625 mm		•					•			
750 mm		•								
1000 mm		•								
1250 mm		•					•			

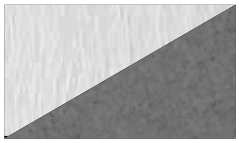
Note: Strips and sheet metal are available also. Other dimensions are available on request.
For detailed information, please refer to our catalogue.

CHROMA

ALLOY	304				
Metal thickness	0.4 mm	0.5 mm	0.6 mm	0.8 mm	1.2 mm
500 mm					
625 mm		•			
1000 mm					
1250 mm		•			

Note: Strips and sheet metal are available also. Other dimensions are available on request.
For detailed information, please refer to our catalogue.

TIN (terne)



ALLOY	439	316L				
Metal thickness	0.5 mm	0.4 mm	0.5 mm	0.6 mm	0.8 mm	1.2 mm
500 mm	•	•	•			
625 mm	•		•			
1000 mm	•	•	•			

Note: Strips and sheet metal are available also. Other dimensions are available on request.
For detailed information, please refer to our catalogue.

PLUS

ALLOY	304					316L				
Metal thickness	0.4 mm	0.5 mm	0.6 mm	0.8 mm	1.2 mm	0.4 mm	0.5 mm	0.6 mm	0.8 mm	1.2 mm
500 mm	•					•				
600 mm	•									
625 mm						•				
1.000 mm	•					•				
1.200 mm	•									
1.250 mm						•				

Note: Strips and sheet metal are available also. Other dimensions are available on request.
For detailed information, please refer to our catalogue.

DIMENSIONS SEAMABLE HFX SHEET METAL

DURA-matte

ALLOY	304					316L				
Metal thickness	0.4 mm	0.5 mm	0.6 mm	0.8 mm	1.2 mm	0.4 mm	0.5 mm	0.6 mm	0.8 mm	1.2 mm
625 x 3000 mm		•	•	•	•		•	•		
625 x 6000 mm		•	•	•	•		•	•		
625 x 12000 mm		•	•	•	•		•	•		
1000 x 3000 mm		•								
1250 x 3000 mm		•	•	•	•		•	•		
1250 mm x desired size		•	•	•	•		•	•		

Note: Only available as sheet metal with max. 12 m length. Other dimensions are available on request.
Available colours: Champagne, Bronze, Antique-gold, Anthracite

DURA-brilliant

ALLOY	304					316L				
Metal thickness	0.4 mm	0.5 mm	0.6 mm	0.8 mm	1.2 mm	0.4 mm	0.5 mm	0.6 mm	0.8 mm	1.2 mm
625 x 3000 mm		•	•	•	•		•	•		
625 x 6000 mm		•	•	•	•		•	•		
1000 x 3000 mm		•								
1250 x 3000 mm		•	•	•	•		•	•		
1250 mm x desired size		•	•	•	•		•	•		

Note: Only available as sheet metal with max. 6.4 m length. Other dimensions are available on request.
Available colours: Champagne, Bronze, Black

• in stock • on request

PYRA

ALLOY	304				
Metal thickness	0.4 mm	0.5 mm	0.6 mm	0.8 mm	1.2 mm
625 x 3000 mm		•			
625 x 6000 mm		•			
1000 x 3000 mm		•			
1250 x 3000 mm		•			
1250 mm x desired size		•			

Note: Only available as sheet metal with max. 6.4 m length. Other dimensions are available on request.
Available colours PYRA-matte: Champagne, Bronze, Antique-gold, Anthracite | Available colours PYRA-brilliant: Champagne, Bronze, Black

PLASMA

ALLOY	304					316L				
Metal thickness	0.4 mm	0.5 mm	0.6 mm	0.8 mm	1.2 mm	0.4 mm	0.5 mm	0.6 mm	0.8 mm	1.2 mm
625 x 3000 mm		•	•	•	•		•	•		
625 x 6000 mm		•	•	•	•		•	•		
1000 x 3000 mm		•					•			
1250 x 3000 mm		•	•	•	•		•	•		
1250 mm x desired size		•	•	•	•		•	•		

Note: Only available as sheet metal with max. 6 m length. Other dimensions are available on request.
Available colour: Gold

IONIC

ALLOY	304				
Metal thickness	0.4 mm	0.5 mm	0.6 mm	0.8 mm	1.2 mm
1000 x 2000 mm		•			
1000 x 3000 mm		•			
1250 x 3000 mm		•			
1250 mm x desired size		•			

Note: Only available as sheet metal with max. 6 m length. Other dimensions are available on request.
Available colour: Gold

OPTRON

ALLOY	304				
Metal thickness	0.4 mm	0.5 mm	0.6 mm	0.8 mm	1.2 mm
625 x 3000 mm		•			
625 x 6000 mm		•			
1250 x 3000 mm		•			
1250 mm x desired size		•			

Note: Only available as sheet metal with max. 6 m length. Other dimensions are available on request.
Available colour: Gold

PROTON

KRISTALL | EROSION | FLUID

ALLOY	304					316L				
Metal thickness	0.4 mm	0.5 mm	0.6 mm	0.8 mm	1.2 mm	0.4 mm	0.5 mm	0.6 mm	0.8 mm	1.2 mm
625 x 3000 mm		•	•	•	•		•	•		
625 x 6000 mm		•	•	•	•		•	•		
1000 x 3000 mm		•					•			
1250 x 3000 mm		•	•	•	•		•	•		
1250 mm x desired size		•	•	•	•		•	•		

Note: Only available as sheet metal with max. 6.4 m length. Other dimensions are available on request.
Available colours: Zincoxide, Bronzeoxide, Brassoxide, Cobaltoxide, Steeloxide.

PROTON

ORGANIK

ALLOY	304				
Metal thickness	0.4 mm	0.5 mm	0.6 mm	0.8 mm	1.2 mm
625 x 3000 mm		•			
625 x 6000 mm		•			
1000 x 3000 mm		•			
1250 x 3000 mm		•			
1250 mm x desired size		•			

Note: Only available as sheet metal with max. 6.4 m length. Other dimensions are available on request.
Available colours: Zincoxide, Bronzeoxide, Brassoxide, Cobaltoxide, Steeloxide.

Please note the additional product and purchasing information for electro-coloured, proton-coloured and plasma-coloured HFX stainless.
Delivery times may vary depending on the format due to production campaigns.

All dimensions and alloys that are not marked as stocked or upon request can be ordered on a made-to-order basis with a minimum quantity of 10,000 kg and a minimum delivery time of 4 - 6 months.

• in stock • on request

Peace of mind

- 60 years warranty
- durable
- stronger
- functional
- self-healing
- varied
- UV-resistant
- natural

Peace of mind

WHAT DOES "PEACE OF MIND" MEAN TO YOU? FOR US IT MEANS BEING ABLE TO GO THROUGH LIFE CAREFREE, HAVING TIME AND ENERGY FOR THE REALLY IMPORTANT THINGS IN LIFE AND NOT BEING TORMENTED BY NEEDS AND PROBLEMS.

The realization of a building project can be associated with all kinds of worries. By choosing HFX stainless cladding, roofing and roof drainage, you can avoid many of these possible worries.
HFX stainless not only looks good, but also protects the building from the effects of weather in the long term.

Secure your peace of mind with HFX stainless. This material has been specially developed for use on roofs and facades and combines aesthetics and durability like no other.

All ROOFINOX products are providing peace of mind due to their durability, strength, functionality, self-healing-mechanism, beauty and UV-resistance.

A symbol of this longevity is the stainless steel roof of the Chrysler Building in Manhattan - completed in 1930 and unchanged to this day.

PEACE OF MIND WITH A 60-YEAR WARRANTY*

You and we have the highest demands on quality, which is reflected in our products and our service. Therefore, we offer with a clear conscience a comprehensive material warranty, which offers you the following advantages:

- 60 years of safety
- 60 years of UV-stability
- 60 years of free from defect material
- 60 years of flawless surface
- 60 years of protection

PEACE OF MIND DUE TO DURABILITY

With HFX stainless from ROOFINOX you build for eternity.

With our products, builders are spared annoying maintenance, renovations and other worries. The expected average service life of architectural products made of HFX stainless is over 200 years. That means our roofs and facades will last more than two lifetimes. HFX stainless is durable like no other. The secret behind it:

- engineering expertise, years of research and development
- careful coordination and thoughtfulness of all production steps and compositions
- integration of construction industry needs

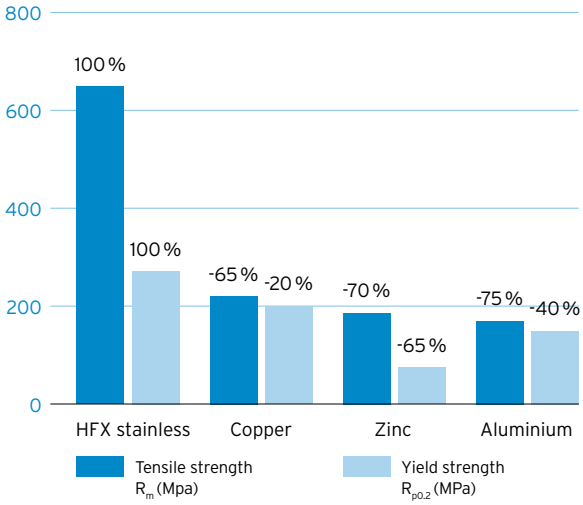
*For more information about our warranty conditions, please ask for our warranty certificate.

PEACE OF MIND THROUGH STRENGTH

HFX stainless is the strongest metal for roof and facade!
Roof and facade form a protective armour of the building.
Like the shell of a turtle, they protect the building togetherwith the people and objects inside from environmental influences.

Facades and roofs are exposed to extreme environmental conditions such as rain, snow, UV-radiation, wind, noise, exhaust fumes, solar-radiation and changing temperatures. This brings almost every material to its limits, especially after the first 10 years. Damage can only be repaired at great expense and causes serious consequences for the owners and their belongings.

This makes it all the more important to choose the right building material. HFX stainless from ROOFINOX convinces with strength and stability. As a result, HFX stainless defies all weather conditions and offers your building long-term protection against all environmental influences. And this regardless of where your building is located, whether near the sea, in the big city, on the countryside or in the mountains. HFX stainless from ROOFINOX can withstand all adversities.



Because HFX stainless is:

- 4 times stronger than aluminium
- weather resistant to hail, storms, snow, ice and cold temperatures
- long-term tight due to low expansion
- ideal as a platform for solar panels
- fire protection class A1, non-flammable

LIVING WITH PEACE OF MIND. LIKE NO OTHER.

PEACE OF MIND THROUGH FUNCTIONALITY

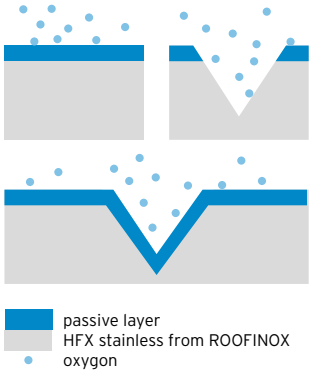
Professional and careful assembly is a prerequisite for the longevity of our products. Therefore, HFX stainless is particularly easy to seam, solder, form, bend and curve. Although HFX stainless is the strongest metal, the HFX technology allows high flexibility and makes the material easy to work with. This results in almost limitless possibilities.

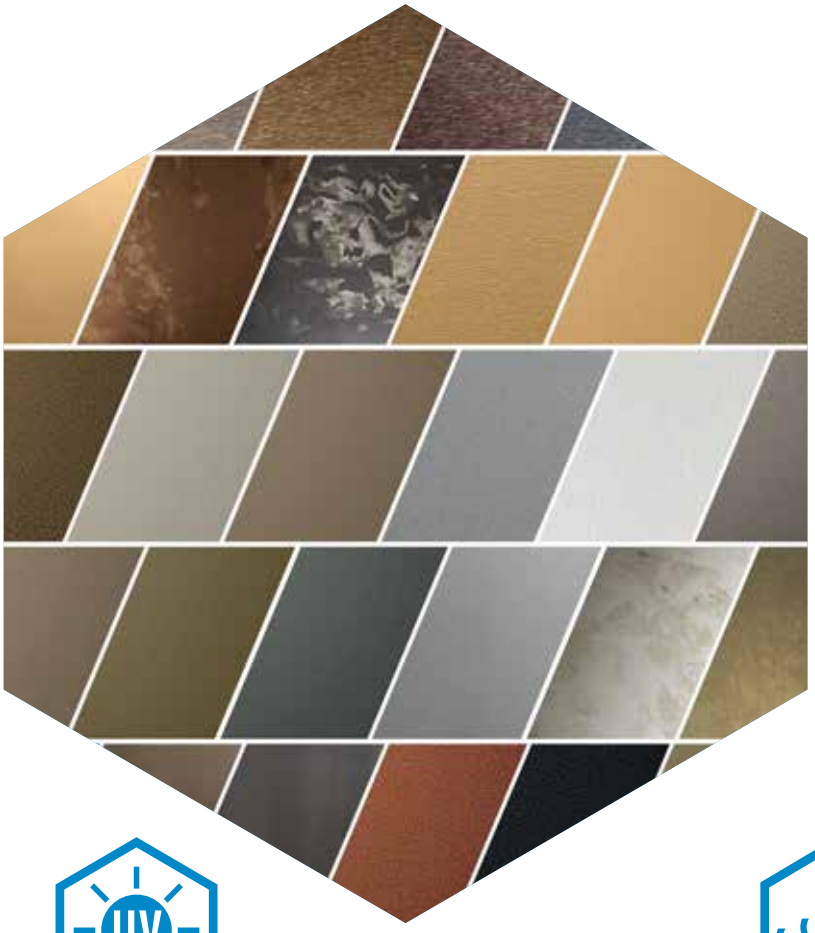
We attach great importance to meeting the needs of builders, architects and craftsmen. Working with ROOFINOX should be easy, which is why HFX stainless is:

- highly flexible
- up to 35 % more malleable than conventional stainless steel
- easy to solder and seam
- light (approx. 4 kg / m^2)
- available as an integral system

PEACE OF MIND THROUGH SELF-HEALING

HFX stainless is a 100 % natural material. No coating is responsible for its durability. It owes its corrosion and surface resistance to its self-healing mechanism. The passive layer, which is a natural part of the stainless steel, renews itself again and again when damaged. HFX stainless is rust-free and can be combined with all materials. HFX stainless is also suitable for applications with soil-contact. Be sure to select the correct alloy for your application. For example, alloy 316L is recommended for use close to the coast or where salt load (chlorides) is high.





PEACE OF MIND THROUGH DESIGN DIVERSITY

HFX stainless is not only functional but also beautiful. Our unique design variety was developed by designers for architects and designers. We encourage you to set no limits to your creativity, we want to bring your designs to life. Whether natural, reflective, matte, coloured, patinated, vibrant or homogeneous - everyone will find a favourite design with us.

MORE DETAILS ON OUR DESIGNS STARTING ON PAGE 50

PEACE OF MIND DUE TO UV-RESISTANCE

To keep your building project aesthetically pleasing in the long term, all ROOFINOX designs are 100 % UV-resistant. HFX stainless enables designs providing peace of mind. HFX stainless from ROOFINOX does not contain any paints or pigments, so nothing can fade, yellow or delaminate. Guaranteed!

PEACE OF MIND THROUGH NATURALNESS

All our products allow maximum flexibility and freedom in the drainage of rainwater. With our products, you can harvest and use rainwater, infiltrate it or channel it into the sewer system without any negative impact on people or the environment. HFX stainless is a material that is recycled indefinitely and contains no pollutants.

LEARN MORE STARTING ON PAGE 77

PEACE OF MIND WITH ORIGINAL ACCESSORIES FOR ROOF AND FACADE

The perfect interaction of all necessary components makes the building envelope carefree. The same high standards are set for the quality of all building elements from our company. This means durability and matching aesthetics. All products and building elements are coordinated in terms of accuracy of fit, function and appearance as well as surface and colour. Well thought-out and carefully manufactured accessories for roof and facade complete the overall picture and ensure that the roof and facade will withstand the effects of the weather for generations.

From ridge vents to window flashings to snow guards, everything is made as from a single mould and more importantly, manufactured from HFX stainless. The range is rounded off by machines, auxiliary materials, clips, nails and screws.

PLEASE REFER TO OUR CATALOGUE FOR THE COMPLETE PRODUCT LINE.


Vent pipe


Universal flashing


Flashing for roof windows


Ridge vent


Ridge vent end cap


Roof anchor DUO


Walkway support


Start cleat strip


Verge board


Fence-style snow guard


Vent flashing


Ventilation hood


Roof hatch


Snow guard


FLM flux

FG seam sealant


Clips


Coil magazine screwdriver

Whether solar power or solar heat panels, ROOFINOX is the ideal support system for your own roof power plant. Starting with the clips for standing seam roofs, solar clamps up to the solar brackets for shingle roofs, we ensure that your roof will remain watertight for generations while generating green electricity. Building on this, we provide the complete substructure to ensure that your roof is guaranteed to last longer than the solar panels.

FOR THE COMPLETE RANGE, PLEASE REFER TO OUR SPECIAL BROCHURE SOLAR ROOF.



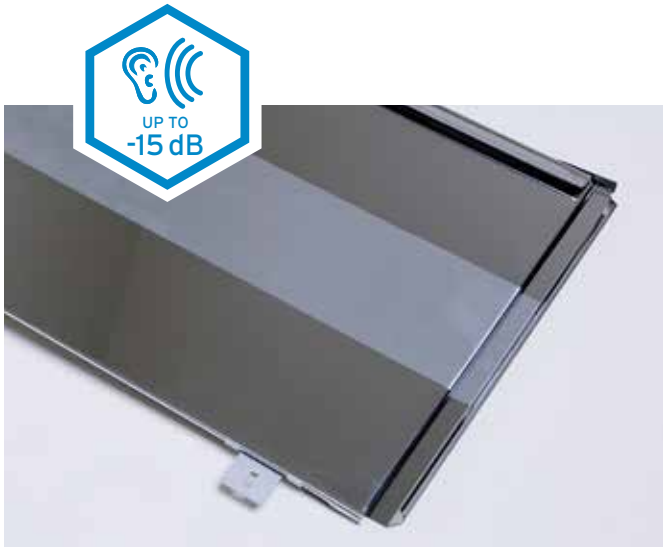



ROOFINOX ACUSTIC - THE SILENCER

Fluttering and pattering noises can disturb any idyllic environment. With the unique Acustic technology from ROOFINOX, these disturbing noises are reduced to a minimum.

The human ear is particularly sensitive in the medium frequency range from 1 to 3 kHz. This is exactly where the Acustic technology comes to work, by modulating disturbing noises and thus reducing them by up to 15 dB.

ACUSTIC is applied to all the wall cladding and roofing products we manufacture, thus making our facades and roofs in another aspect more carefree and providing peace of mind.



PEACE OF MIND WITH THE RIGHT FACADE AND ROOF CONSTRUCTION

Today, rainscreen cladding or ventilated construction is generally considered to be the best and most durable construction for roofs and facades. It makes use of the recognised physical advantages of a ventilated system. All ROOFINOX products are designed and optimised for this type of construction.

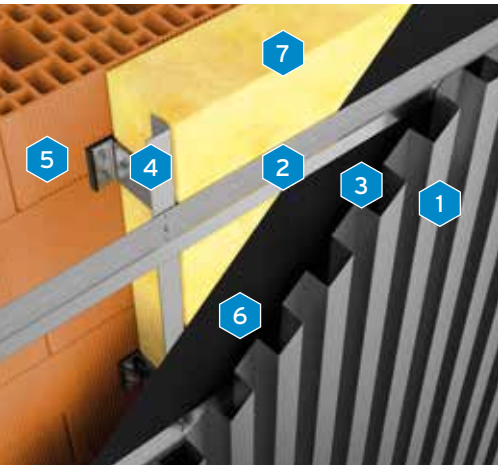
The wall construction of rainscreen cladding or a ventilated facade consists of a layer of thermal insulation and a layer of weather protection, which are separated by a layer of air.

However, rainscreen cladding can also be attached to lightweight walls, especially used in the course of renovation work.

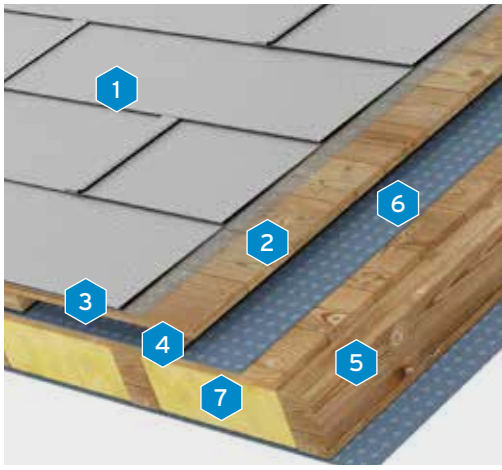
The roof construction of a ventilated roof or cold roof consists of a layer of thermal insulation and a layer of weather protection, separated by a layer of air.

The ventilated roof with ROOFINOX covering can be implemented on any common roof supporting structure.

EXAMPLE OF ROOF AND WALL CONSTRUCTION:



1. facade cladding / roof covering
2. sheathing, battens or trapezoidal profile (sheathing for standing seam and shingles or battens for profiles)
3. layer of air
4. substructure or wooden battens in ventilation (and insulation) level
5. supporting structure
6. functional membrane (underlay, vapour barrier)
7. insulation



CONSTRUCTION PHYSICS:

This construction system has excellent construction physics properties: Warm air is dissipated through the ventilation level, which works against both cold in winter and heat in summer. A ventilated structure is also perfect for energy renovation, as it can also be used on existing walls with moisture problems. The same is true for roof applications, especially when the lightness of HFX stainless is required. With only 4 kg / m^2, even less stable roof structures can be ideally covered.

INSULATION

Typical insulation materials for ventilated roofs and ventilated curtain walls are:

- glass or mineral wool insulation
- wood fibre boards
- hemp or jute insulation boards
- durable insulation boards made of sheep's wool
- cork boards
- hard foam boards are possible, but not ideal.

Download specification texts, brochures, detail drawings and installation information

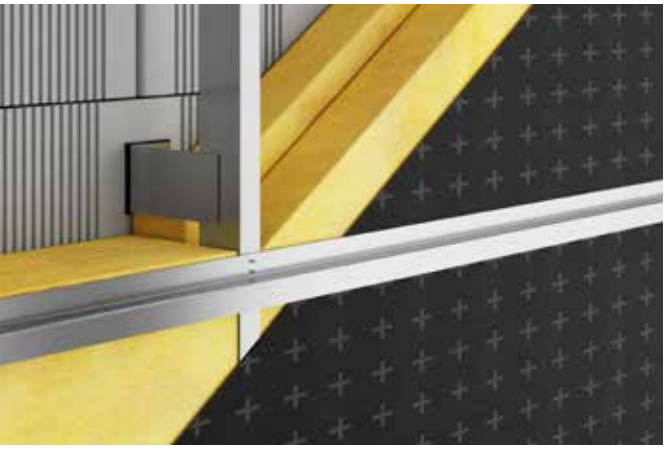
DETAILED INFORMATION: SUBSTRUCTURE FACADE

SOLID SUBSTRUCTURE

The substructure does not usually meet any aesthetic requirements, but it is what makes the constructive implementation of ventilation possible in the first place. It enables the fastening of the facade to the load-bearing exterior wall of the building structure and allows thermal insulation to be bridged and building tolerances to be accommodated. In principle, any substructure available on the market can be combined with ROOFINOX facade products, but we recommend superstructures matched to the roof and facade system. The following two types are required for ROOFINOX facade products depending on the system:

Sheathing represents the traditional version and is usually based on wood as a material. In this case, the insulation level is bridged with battens and counter battens, an additional vertical counter batten provides the necessary ventilation space and a final sheathing layer provides a solid fastening base for the facade elements. A separating layer is not necessary, but recommended because of possible risks in connection with condensation, wood and possibly rusting nails.

Due to the limited longevity and flammability of wood, a double-shell structure made of metal was developed, which allows the building tolerances to be absorbed, the static function to be taken over and sufficient ventilation to be guaranteed. For this purpose, the ROOFINOX SC trapezoidal profile is installed vertically on a horizontal metal substructure, consisting of a wall bracket and a continuous rail, that bridges the insulation layer and allows to absorb construction tolerances. This creates a non-flammable structure, which is at the same time protected against corrosion and prevents thermal bridges.



FRAMEWORK SUBSTRUCTURE

This type of metal substructure with a two- or three-part structure is very widely used. This construction, consisting of thermal pad, wall bracket, rail and optional counter-railprofile allows a three-dimensional adjustment and forms a constraint-free fastening level on the exterior wall. However, this type of substructure is only suitable for large-format facade elements, as it doesn't provide a full-surface support system, but rather a linear secondary construction or framework. This support system allows for the absorption of heat-related linear expansion and can absorb the dead load of the cladding as well as wind loads. For this purpose, a fixed / sliding point construction system is used. The fixed point allows both types to be absorbed, the sliding point only absorbs wind loads, but allows thermal expansion to be taken into account.

Sustainable

- sustainable products
- environmental indicators
- life cycle analysis
- use of resources
- rainwater harvesting

Sustainable

„ SUSTAINABLE BUILDING MEANS USING AND INTRODUCING AVAILABLE RESOURCES CONSCIOUSLY, MINIMISING ENERGY CONSUMPTION AND PRESERVING THE ENVIRONMENT.“

German Sustainable Building Council (DGNB)

For us, sustainable building is important because we want to leave an intact environment and equal opportunities for life to future generations! Buildings are a particularly important area of climate protection because of their long service life and high consumption of energy and resources.

We make great efforts to manufacture our products in a particularly environmentally and climate-friendly way. The natural characteristics of HFX stainless make this material the best choice for roofs and facades anyway!

ROOFINOX HFX STAINLESS, MATERIAL FOR SUSTAINABLE BUILDING IN BRIEF:

- durable (> 200 years life expectancy)
- resource-saving in production and deconstruction (water, air, energy, raw materials, recycling)
- extremely strong despite the low material thickness of 0.5 mm
- climate-friendly thanks to low CO_2 footprint (13 kg / m^2 CO_2 equivalent)
- no ongoing maintenance and servicing
- 100 % natural, without release of metal ions, pollutants, paints, pigments, or plastics
- protects groundwater and does not cause heavy metal run-off

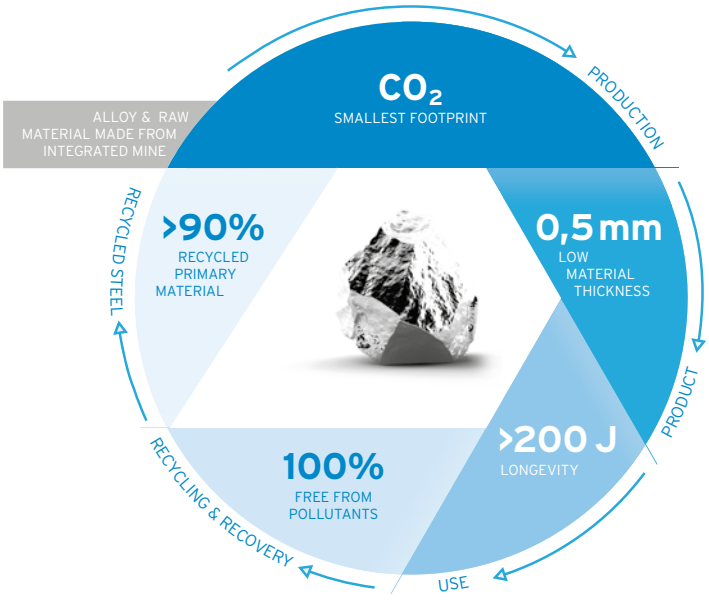
SUSTAINABLE BUILDING REFERS TO THREE DIMENSIONS: ECOLOGY, ECONOMY AND SOCIO-CULTURAL ASPECTS.

From an ecological point of view, HFX stainless convinces with a very low CO_2 footprint. This is achieved by introducing more than 90 % of recycled material into the product, saving various steps in production, shorter transport routes through an integrated mine and the elimination of fossil energy.

Due to the enormous strength of HFX stainless, a thickness of 0.5 mm is sufficient for use on roofs and facades. This reduces the amount of material required and conserves our resources. In addition, ROOFINOX HFX stainless has a recycled content of > 90 %.

HFX stainless is 100 % free of pollutants. This eliminates contamination of groundwater and ensures long-term protection of the environment.

From a socio-cultural point of view, HFX stainless convinces with its suitability for the renovation of listed buildings. HFX stainless is aesthetically pleasing and lends a special character to every object due to its unique design variety.



SUSTAINABILITY IN FACTS AND FIGURES EXCERPTS FROM OUR EPD

In order to ensure an objective evaluation of building materials in terms of their sustainability, the methodology of life cycle analysis was developed. It is regulated in EN ISO 14040 and serves as the basis for the data shown on this page.

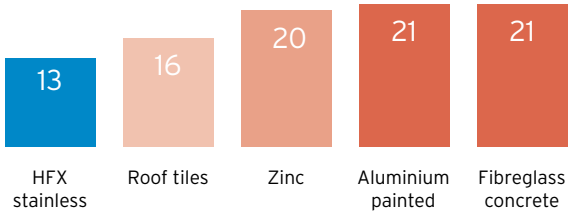
The detailed data can be found in our environmental product declaration (EPD).

GLOBAL WARMING (GWP)

The GWP (global warming potential) describes the contribution of a product to the greenhouse effect relative to the contribution of an equal amount of carbon dioxide.

The comparison shows that the production of HFX stainless from ROOFINOX is very environmentally friendly in contrast to other roof and facade materials. The emission of climate-damaging gases is three times lower than for aluminium composite panels (37 kg CO_2 eq / m^2) or only half of aluminium or zinc.

Global warming (GWP) / kg CO_2 eq/m^2

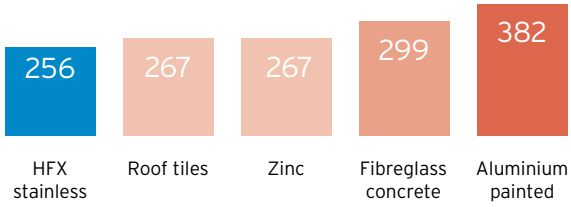


PRIMARY ENERGY CONTENT NON-RENEWABLE (PEI NE)

The „primary energy content non-renewable“ is calculated from the upper calorific value of all those non-renewable energetic resources that were used in the manufacturing chain of the product.

The demand of non-renewable primary energy in the production of HFX stainless is one third lower than for aluminium or even three times lower than for aluminium composite panels (760 MJ / m^2). No other material considered requires less non-renewable primary energy than HFX stainless from ROOFINOX.

Primary energy (PEI ne) / MJ/m^2

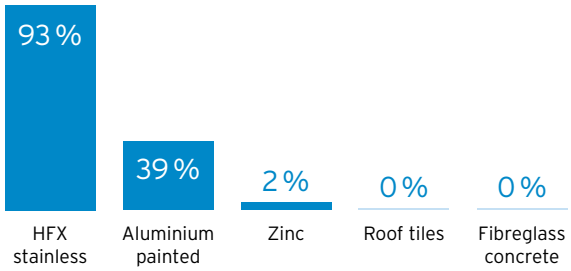


RECYCLED CONTENT (SECONDARY MATERIAL USE IN %)

The percentage of secondary material (recycled material) used in production for one m^2 of cladding.

We are particularly proud of our success in recycling.
With a share of secondary material of over 90 % of the total production volume, we are the undisputed pioneer. The post-consumer share of our recycled materials is over 65 % of the total production volume, which also makes us market leader by far.

Secondary material use



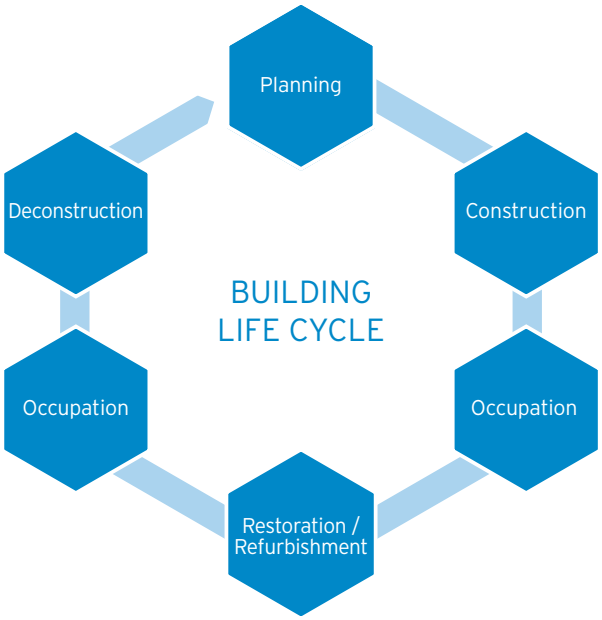
Status of all comparative data as of September 2020
Source: EPDs of various manufacturers

SUSTAINABLE THROUGH LIFE CYCLE ANALYSIS

CONSIDERING ONLY CONSTRUCTION COSTS IS NOT ENOUGH, BECAUSE 80 % - 85 % OF THE TOTAL COSTS OF A BUILDING ARE INCURRED AFTER THE CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED.

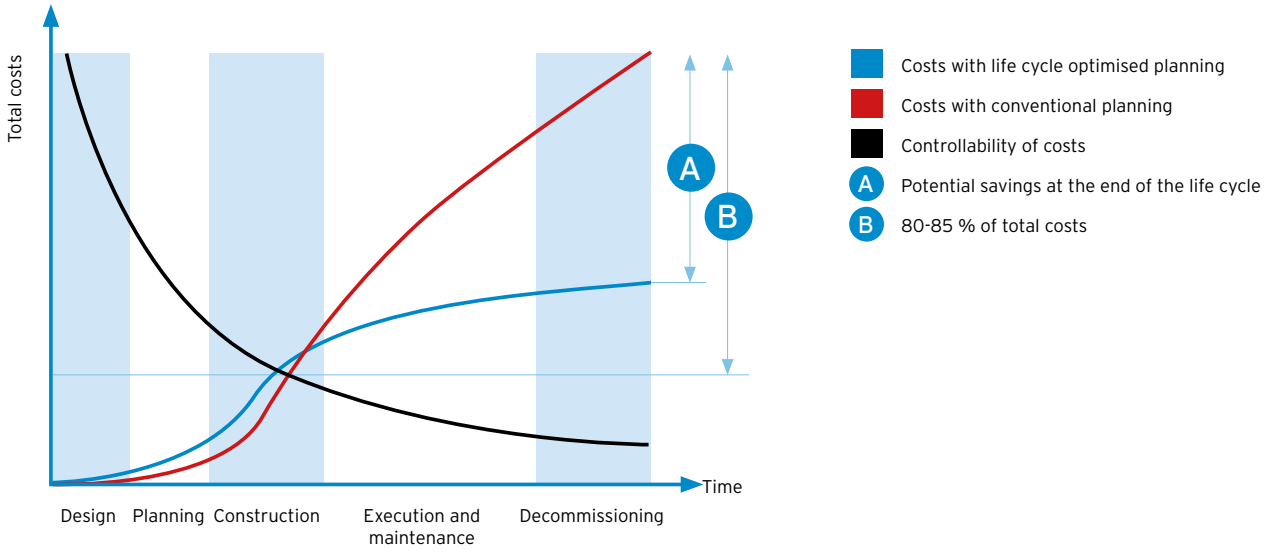
The requirements for buildings have changed in recent years: Topics such as climate change, resource conservation, demographic change and value stability are increasingly in focus and must be considered during planning. In order to meet this demand, the entire life cycle of buildings, including operation, maintenance, repair and deconstruction, must be included in the planning in addition to the construction phase.

Due to strict budgets, price is often the decisive decision criterion when awarding contracts. In order to keep the acquisition costs as low as possible, savings are made on the quality of the building products. As the quality decreases, so does the life expectancy of the products. This leads to high maintenance and servicing costs during the use of the building. If you look at the life cycle costs of a building, savings in the construction phase usually do not pay off. Only those who consider the complete life-cycle costs and include them in the planning from the very beginning can build qualitatively, sustainably and economically in the long term.



Roofs, facades, gutters and flashings made of HFX stainless from ROOFINOX cause slightly higher material costs than cheap building materials, but they last the entire service life of the building without additional repair or ongoing maintenance costs.

HFX stainless can be deconstructed and recycled 100% according to type. There are no disposal costs, the dismantling is usually covered by the residual value of the HFX stainless material.



SUSTAINABLE THROUGH CONSERVATION OF RESOURCES

„WELL-DESIGNED BUILDINGS MADE OF SUITABLE MATERIALS CAN BE USED FOR A LONG TIME. THE RECOVERY, PRODUCTION AND LATER REUSE OF BUILDING MATERIALS SHOULD BE CONSIDERED IN EVERY DESIGN.“

German Sustainable Building Council (DGNB)

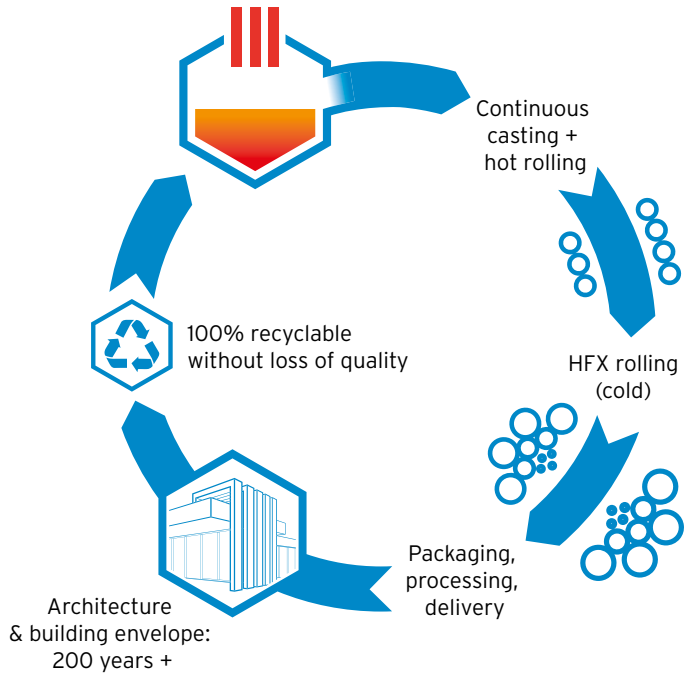
ROOFINOX pursues precisely this demand. Our products have a recycled content of more than 90 % (post-consumer content 65 %), a service life of more than 200 years, are deconstructable by type and can be 100 % recycled indefinitely without any loss of quality.

ROOFINOX RECYCLING PROCESS

>90% RECYCLED MATERIAL

90% SLAG UTILISATION

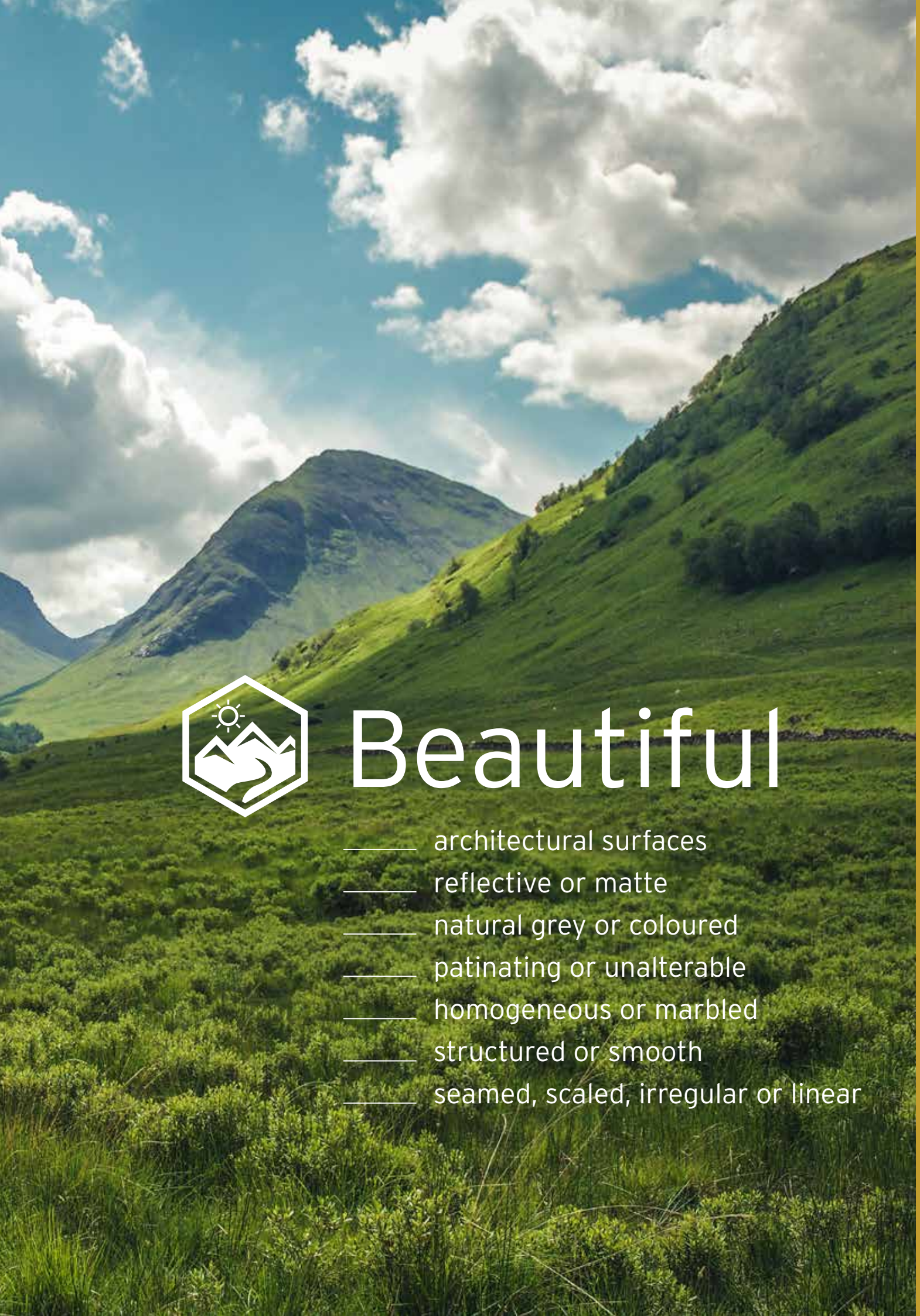
~70% ELECTRICITY FROM NON FOSSIL ENERGY



SUSTAINABLE THROUGH RAINWATER HARVESTING

In central Europe, every citizen consumes an average of around 130 liters of drinking water per day. In large quantities for purposes for which drinking water would not be necessary, such as water for garden irrigation or toilet flushing. The use of rainwater can minimize this waste. HFX stainless from ROOFINOX is the ideal material to make the use of rainwater possible, because HFX stainless:

_____ is free from heavy metal run-off and ion erosion
_____ contains no plasticizers from paints and coatings
_____ is food-safe
_____ is a natural material
_____ is not harmful to humans or the environment



Beautiful

- architectural surfaces
- reflective or matte
- natural grey or coloured
- patinating or unalterable
- homogeneous or marbled
- structured or smooth
- seamed, scaled, irregular or linear

Beautiful

BEAUTY COMES FROM THE COMBINATION OF: DESIGN AND CONCEPT, EXECUTION AND QUALITY OF DETAILS, MATERIALS AND TECHNIQUES, AS WELL AS THE DURABILITY AND QUALITATIVE AGING OF THE MATERIALS AND PRODUCTS USED.

We have taken a lot of time to develop our unique designs, so that every builder and architect has the opportunity to express themselves through our material in their designs. Our architectural surfaces have been developed by designers for designers. The result is a selection of different surface textures, such as rough or smooth, matte or reflective, patinating or durable, extravagant or lively, glittering, coloured or golden. Because stainless steel is no longer just „metallic grey".

The following comparisons give an insight into the means and possibilities we use to create our design surfaces for roofs and facades. In complete contrast to this are the well-known but for this application generally unsuitable industrial grades or standard stainless steels.

AESTHETICS LIE IN THE DETAIL: (MICROSCOPIC) DESIGN POSSIBILITIES

REFLECTIVE OR MATTE

The smoother a surface, the shinier it is. The reverse conclusion is permissible by way of simplification: The rougher the stainless steel, the duller it is. The reason for this is light reflection: smooth surfaces reflect incident light specularly, matte surfaces reflect diffusely, i.e. scattered in all directions. The reflectance is measured by means of a reflectometer - the higher the quotient of reflected to incident light, the shinier the surface. ROOFINOX CHROMA, for example, achieves > 55 %, ROOFINOX CLASSIC and PEARL, on the other hand, are ultra-matte and reflect only 0.2 % to 0.5 % when viewed at an angle of 20°.

CHROMA

2B (standard stainless steel)

CLASSIC

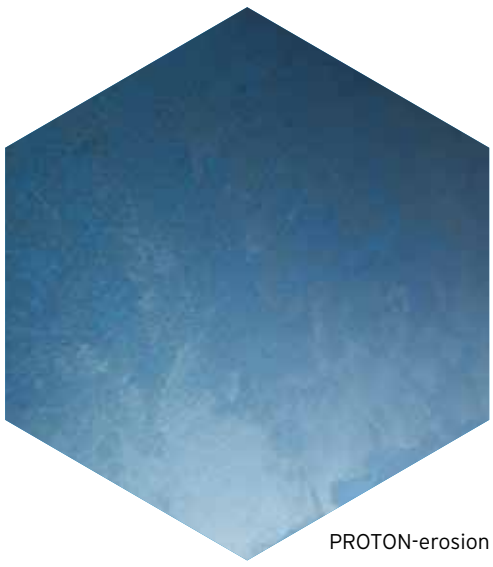
DURA-matte Anthracite

reflective ▸ matte

NATURALLY GREY OR COLOURED

Stainless steel is no longer „only" metallic grey. HFX stainless can also be coloured - to your liking, of course. In addition to the all-rounder CLASSIC in a proven matte silver-grey tone, ROOFINOX also offers electro-coloured surfaces with DURA, PYRA and PROTON. The colouring is achieved without paints or dyes: Depending on the intensity of the treatment and the resulting thickness of the interference layer, HFX stainless appears in different colours from bronze to champagne to red and blue or black. The interference effect also provides a different shimmer depending on the viewing angle. Alternatively, the plasma-colouring of HFX stainless in gold is achieved by bombarding it with titanium ions.

CLASSIC



PROTON-erosion Cobaltoxide

TIN (terne)

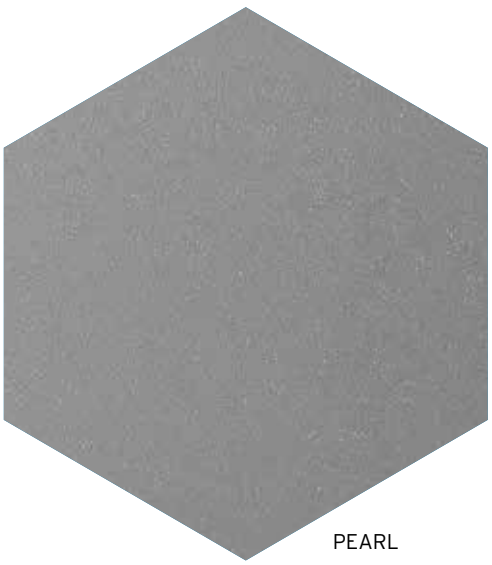
CLASSIC

PATINATING OR UNALTERABLE

Patinating HFX stainless from ROOFINOX undergoes a natural change that originates in the natural aging of the oxides of tin. The design with galvanic tin layer reacts with moisture and oxygen. In most cases, the patination-process takes about 3 years and homogenises over time afterwards. At the end of the patination process at the latest, even the lively HFX stainless TIN (terne) appears in a relatively homogeneous shade of colour.

HOMOGENEOUS OR MARBLED

HFX stainless is a natural material which surface - similar to wood and independent of patinating or non-patinating - always looks a little different. The CLASSIC, PEARL, CHROMA, PLASMA and DURA surfaces are indeed very homogeneous in their colour and also in their structure. But there are irregular designs as well, such as PROTON: the surface pattern is irregular, without repetitions or fixed patterns, and thus appears particularly lively. Unlike TIN (terne), the inhomogeneity of PROTON is permanent. The surface does not patinate, does not darken and therefore does not change. The intention here is not to create a uniform, homogeneous image even after a long period of time, but to retain the marbling and grain.



PEARL

PROTON-erosion Bronzeoxide

PLUS

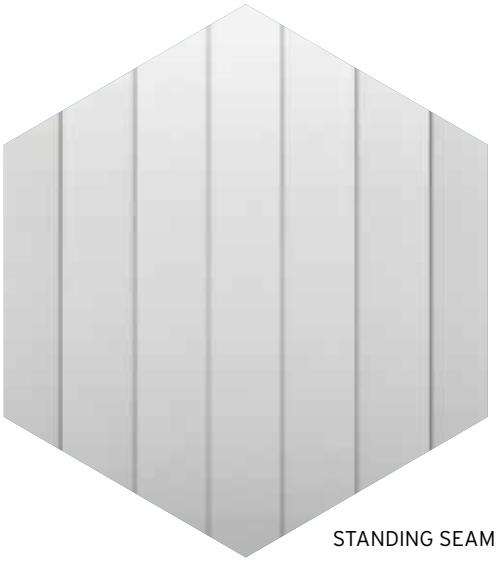
CHROMA

STRUCTURED OR SMOOTH

Rib embossing is an optional feature of HFX stainless. Advantages of the associated reduced waviness are: increased stability, particular insensitivity to material stress, maximum resistance and 20 % material savings. PLUS combines all this with a particularly diffuse light reflection and thus again has a different effect to other surfaces.

SEAMED, SCALED, IRREGULAR OR LINEAR

In addition to the degree of gloss, embossing, patination and colouring, HFX stainless surfaces on roofs and facades are particularly effective due to the way they are laid and installed. Small-format shingles have a different effect than large-format shingles or meander profiles. Uniform, scale-like coverings create a strong contrast to dynamic rhomboid shingles. Filigree-structured pointed diamond shingles evoke different associations than the eye-catching design of AXIS design shingles.
What appeals to you and what do you make of it?



STANDING SEAM

SKALA 33

Version 2022/08

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