ROOF | FAÇADE | SOLAR
AS STRONG AS A BULL

Solutions for sustainable architecture

WWW.PREFA.COM

COVER PHOTO

Product: PREFALZ
Colour: P.10 Prefa bronze
Location: Vienna (Austria)
Architectural design: BERGER+PARKKINEN ARCHITEKTEN
Installed by: Alexander Pfeifer GesmbH

LEGAL NOTICE

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Photos: PREFA | Croce & Wir
Colours may vary due to printing.
Manufacturer: Gutenberg | 4020 Linz (Austria)
Version 1 | 01/2025 | INT-en | AM

INHALTSVERZEICHNIS

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NOTE

For an easier overview, all new products for 2025 are indicated with and the new products for 2024 with .

PREFA PROJECT CONSULTING

PREFA's strong service

CONFIGURA-TOR
for roof and façade
DESIGN YOUR (DREAM) HOME WITH THE PREFA ONLINE CONFIGURATOR
www.prefa.com/configurator

DIGITAL PLANNING

In order to meet the requirements of digital planning, to further promote the digital construction process and to support you as an architect / designer in the best possible way, we now provide you with textures, 3D and BIM data on our PREFA roof and façade products for free download.

- **PREFA textures**
  in .jpg format can be downloaded at: www.mtextur.com
- **3D data**
  of PREFA products can be downloaded free of charge from our website: uk.prefa.com/download-centre
- **PREFA BIM objects**
  for Revit and ArchiCAD users can be downloaded free of charge on bimobject.com: uk.prefa.com/bim

TECHNICAL ADVICE

Fire protection, sound insulation, snow guard system, lightning protection, applicable standards, gutter dimensioning and snow guard system calculation

MATERIAL SAMPLING

Colour and product samples

PREFA TENDER SERVICE

Preparation of sample tenders including quantity determination
PREFA Tender Guide

PREFA PHOTO SERVICE

Free photo montage with PREFA products at:
uk.prefa.com/photo-service

INSPIRATION

PREFARENZEN (see page 5)
PREFA reference gallery at: uk.prefa.com/reference-buildings
PREFA renovation gallery at: uk.prefa.com/renovation-gallery

SNACK & LEARN OFFICE PRESENTATION

Tailor-made presentation on
topics of your choice including a snack together.
From five people in your office or digitally via MS Teams.

PREFARENZEN

Showpieces of European architecture

PREFARENZEN ARCHITECTURE BOOK 2025

From the far north of Scandinavia to Sicily: this year's PREFARENZEN objects are international and multi-layered.

PREFARENZEN JOURNAL

Impressive personalities and architectural projects from different PREFA countries can be discovered again and again in the PREFARENZEN Journal.

PREFARENZEN ONLINE MAGAZINE

In the online magazine for architects, planners and architecture enthusiasts, you will constantly find special inspiration and exciting background stories.

www.prefa.com/prefarenzen

PREFARENZEN

Curtain call for your project

Great projects can be submitted at any time and have the opportunity to become part of the PREFARENZEN world – in a book, calendar, journal or online magazine. All PREFARENZEN objects are selected annually by a team of experts as part of a joint dialogue.
www.prefa.com/prefarenzen | prefarenzen@prefa.com

STORM-PROOF

1 Every individual roof and façade product is firmly attached to minimize the risk of storm damage.

With the unique, concealed fastenings and the special installation technique with offset joints, your PREFA aluminium roof and PREFA façade are able to withstand even high wind speeds. The number of fasteners can be increased depending on the wind load, and the type of fastening (nailed or screwed) can be adapted accordingly.

RUST-FREE

2 PREFA roofs and façades are completely weatherproof and guaranteed rust-free.

Aluminium forms a protective layer which constantly self-regenerates to protect itself from damage. In addition, most PREFA roofs and façades products are provided with a high-quality coil-coating finish.

LIGHTWEIGHT

3 Light in weight yet high in quality

At just 2.6 kg/m², a PREFA roof weighs only a fraction of a conventional roof (approx. 35–55 kg/m²). Therefore, the weight on the roof structure of a typical detached house is reduced by up to ten tonnes! The light weight of aluminium also has a positive influence on transport and labour.

BREAK-PROOF

4 PREFA aluminium roofs and façades withstand even the worst weather conditions.

Not even heavy snow loads, extreme temperature fluctuations or bad weather conditions pose a problem for PREFA aluminium roofs and façades. The reason for this lies in the particularly good material properties and durability of aluminium.

Building: Bivacco Claudio Bredy
Product: PREFALZ
Colour: P.10 black
Location: Avise (Italy)
Architectural design: BCW Collective
Installed by: Chenevier spa

ATTRACTIVE

5 A unique design for your building!

PREFA offers infinite design possibilities. Choose from a variety of shapes, formats, colours, installation patterns and surfaces. In the complete system, each product, including accessories, can be perfectly colour-coordinated – as well as the innovative solar roof, to achieve a homogeneous, elegant look.

COLOUR-RESISTANT

6 With PREFA, the colour of your choice remains just the way it is.

Thanks to a special coating layer, PREFA product surfaces are highly resistant to temperature and weathering. The reason for this is the coil-coating system which is applied in up to 20 processing steps.

GREAT FOR RENOVATIONS

7 The lightweight material means that there is no need to build an expensive supporting substrate.

Due to structural engineering reasons, old roof structures often have to be prepared during roof renovations so that they can cope with the extremely heavy load that they are subjected to by modern roof tiles. PREFA enables you to omit this task: However, with the much lighter PREFA aluminium roof, there's no need to make any additional reinforcements.

COMPLETE SYSTEM

8 Roof, façade, solar system, and many more well-coordinated products

Not only is PREFA the strong roof specialist, it also produces high-quality products for façades, solar, roof drainage and flood protection systems — tested and coordinated system components for the outer building shell — installed solely by trained specialist companies.

SUSTAINABLE

9 Aluminium is 100% recyclable.

Aluminium can be recycled as often as necessary without loss of quality — and the best thing about it: PREFA products already consist of up to 87% recycled aluminium. In addition, 100% of the electrical power used at the Marktl production site comes from renewable energy. Furthermore, 99% of the aluminium production waste is returned to the starting point.

UP TO 40-YEAR GUARANTEE

10 Performance, material and colour guarantee

PREFA provides a 40-year colour and material guarantee on roofs and façades.* This provides you with optimum protection against breakage, corrosion (rust), frost damage, chips and blistering.

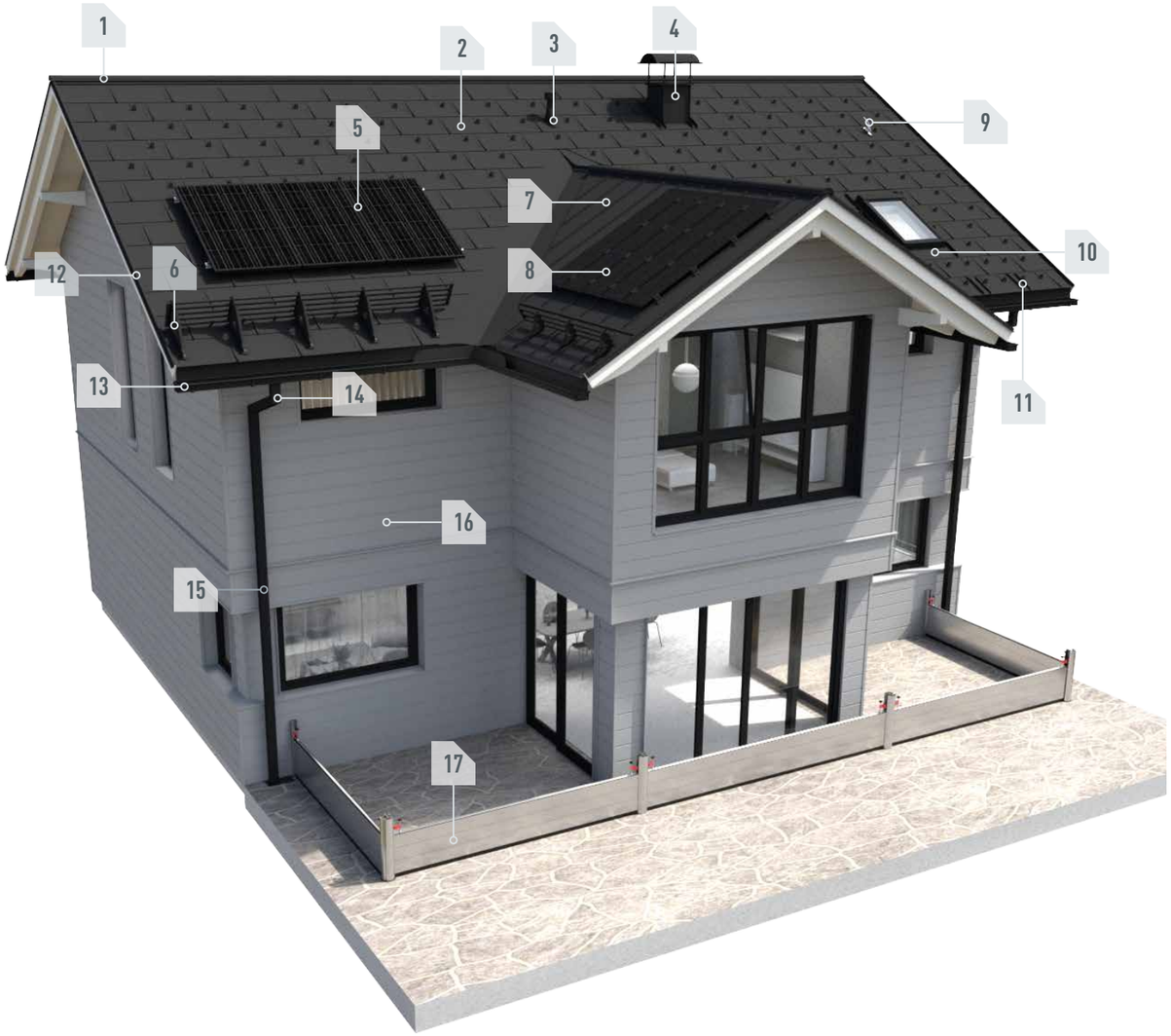
10 GOOD REASONS

**True strength knows no weakness.
Guaranteed by PREFA.**

* Information about the performance, material and colour guarantee can be found at uk.prefa.com/guarantee.

PREFA'S COMPLETE SYSTEM

Its strength is greater than the sum of all its parts.



1. ridge vent
2. R.16 roof tile
3. vent pipe cover and vent pipe
4. chimney flashing and cladding
5. On-roof PV system with PREFA solar panel mounting system
6. removable pipes for the pipe-style snow guard system
7. PREFALZ
8. PREFALZ solar panel
9. roof anchor hook with mounts
10. roof window flashing
11. base plate
12. verge flashing
13. box gutter (half-round gutter)
14. square downpipe outlet and square downpipe elbow
15. square downpipe (downpipe)
16. sidings
17. flood protection system

The products listed are an illustrative extract from PREFA's extensive product range based on the building shown.

Perfectly coordinated from a technical point of view

All products, mounting accessories and peripheral items are perfectly coordinated and delivered together. For example, the necessary mounting accessories are included with all the accessories.

This ensures that all parts match perfectly and the result meets the highest demands in terms of both appearance and quality. To ensure a perfect installation, PREFA roofs and façades should only be mounted by trained professionals. This gives clients and designers maximum security.

ROOF SYSTEMS

Gables, roof hatches and curves — whether new builds or renovations, an aluminium roof adapts to virtually every roof shape. PREFA's different products ensure a technically perfect, virtually maintenance-free roof covering.

>> PAGE 14

ORIGINAL ACCESSORIES

The individual components of PREFA's accessories work together perfectly, guaranteeing high fitting accuracy. Manufactured from a single source, they are delivered together with all the parts required for assembly. This ensures safety and the desired durability of a PREFA complete system.

SOLAR PANEL SYSTEMS

PREFA offers innovative systems for using solar energy: the PREFALZ solar panel – the elegant photovoltaic on-roof solution for new and existing PREFALZ roofs and the PREFA solar panel mounting system for on-roof solar panel systems that are parallel to the roof.

>> PAGE 52

ROOF DRAINAGE

The drainage systems that have been tried and tested for years are truly outstanding with their sophisticated and detailed technical solutions. They come in many standard colours and are also available in bespoke shades, on request.

>> PAGE 60

FAÇADE SYSTEMS

Aluminium façades are durable and rust-free, and are easy to clean when slightly soiled. The different systems offer flexible design possibilities and the right solution for every building.

>> PAGE 70

FLOOD PROTECTION SYSTEM

Together with our affiliated company, Neuman Aluminium Strangpresswerk, PREFA has developed a semi-mobile flood protection system made of aluminium. This flexible solution allows buildings and properties to be efficiently protected against damage caused by floods.

OUR STRONG COMMITMENT TO PRESERVING OUR ENVIRONMENT

ENVIRONMENTAL PROTECTION AND SUSTAINABILITY ARE MORE THAN JUST BUZZWORDS FOR PREFA. WE TAKE OUR RESPONSIBILITIES SERIOUSLY.

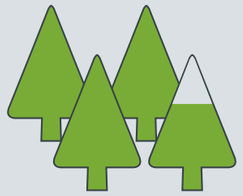
From procuring the raw materials to production and disposal, every step in the closed-loop economy is carefully selected, diligently implemented and strictly controlled. At PREFA, we set high standards in order to meet the various requirements relating to an environmentally friendly and sustainable operation. Here are four of the key measures we take:

87 % RECYCLED ALUMINIUM

Why use something just once when it can be reused repeatedly?
Did you know that the small roof formats from PREFA are made from a remarkable 86.6% recycled materials? Across all our products, including PREFABOND and PREFALZ, the proportion of recycled aluminium is 77 %.

THE ELECTRICITY WE USE COMES FROM 100 % RENEWABLE ENERGY

PREFA only uses electricity from environmentally friendly sources.
Since 2020, 100% of the electricity used in production has come from renewable energy (hydro, wind, solar and biofuel). We plan to keep it this way.



GREENHOUSE GAS EMISSIONS 3.36 KG OF CO_2EQ/KG

This is because an unspoiled atmosphere is crucial.
With its roof components, PREFA achieves the best results compared to alternative products in relation to greenhouse gas emissions, with a figure of 3.36 kg of CO_2eq/kg. In order to compensate for the average emissions from a PREFA roof of 400 kg – over the 40 years of the warranty – a mere 3.76 trees would need to be planted.
Best of all, though: an aluminium roof retains its value. Once it is recycled after use, the emission figure drops to just 0.76 kg of CO_2eq/kg. That's less than half a tree.

WASTE BALANCE: 89 % GOES BACK INTO THE CYCLE

Even our waste is valuable. So we recycle it immediately.
PREFA can boast a very impressive waste balance: 51 % goes into recycling, 38 % goes into material recovery, 5 % is used for heating and 6 % is disposed of via a waste treatment plant. That means a remarkable 89% of the disposed materials flows back into the closed-loop economy.

As you can see, not only are PREFA roofs and façades built to last generations – we think just as long-term when it comes to our sustainable future. Visit www.prefa.com to discover everything you need to know.

(Data taken from the 2020 financial year)

PREFA

AS STRONG AS A BULL

ROOF • FACADE • SOLAR

ALUMINUM

HIGH QUALITY & RECYCLABLE

ROOF SYSTEMS

All the strength at the top

Product: Roof shingle
Colour: P.10 anthracite
Location: Heidenheim (Germany)
Architectural design: Ingeborg Metzner
Installed by: Robert Smejkal GmbH & Co. KG

ROOF TILE

2.3 kg/m² — 4 per m² | ≥ 12° | PAGE 16

R.16 ROOF TILE

2.5 kg/m² — 3.4 per m² | ≥ 17° | PAGE 20

DS.19 ROOF SHINGLE

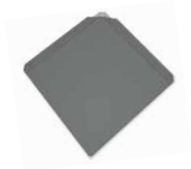
2.75 kg/m² — 8 per m² | ≥ 17° | PAGE 24

ROOF SHINGLE

2.5 kg/m² — 10 per m² | ≥ 25° | PAGE 30

RHOMBOID ROOF TILE 44×44

2.6 kg/m² — 5.25 per m² | ≥ 12° | PAGE 34



RHOMBOID ROOF TILE 29×29

2.6 kg/m² — 12 per m² | ≥ 22° | PAGE 38

FX.12 ROOF PANEL

2.4 to 2.5 kg/m²
panel (small): approx. 3.4 per m²
panel (large): approx. 1.7 per m² | ≥ 17° | PAGE 44

PREFALZ | FALZONAL®

approx. 2.3 kg/m² | ≥ 3° | PAGE 48

* PREFALZ can be combined with the new PREFALZ solar panel

ROOF TILE

Tomorrow's design classics

Product: Roof tile
Colour: P.10 anthracite
Location: Ratschings (Italy)
Installed by: Oberrauch GmbH
Photo: PREFA | Podetti

FIND OUT EVEN MORE HERE.

uk.prefa.com/reference-buildings

ROOF TILE

The classic tile for traditional and modern buildings

The roof tile is a popular and proven classic for both traditional and modern building projects. Weighing just 2.3 kg/m², the small-format aluminium panel is lightweight yet extremely resistant.
It's ideal for covering intact, older roof structures, as four roof tiles are enough to cover one square metre of roof. Installation is also possible on flat roofs with a roof pitch from 12°.

TECHNICAL DATA — ROOF TILE ∠≥12°

- **Material**
  coil-coated aluminium, 0.7 mm thick
- **Standard finish**
  stucco
- **Dimensions**
  600 × 420 mm (cover), i.e. 4 pc./m²
- **Weight**
  approx. 2.3 kg/m²
- **Minimum roof pitch**
  12° (approx. 21 %) — rafter length: up to 7 m
  14° (approx. 25 %) — rafter length: 7–12 m
  16° (approx. 29 %) — rafter length: over 12 m
- **Supporting substrate and separation layer***
  On fully boarded substrate (at least 24 mm); with snow loads greater than 3.25 kN/m² or in terrain categories 0, I or II, fully boarded substrate with a separation layer is required.
- **Standard fastening**
  indirect fastening, 2 PREFA patent clips and PREFA ring nails per roof tile (i.e. 8 PREFA patent clips and ring nails per m²)

* Observe national regulations and guidelines.

R.16 ROOF TILE

With a view to the essentials: strong, functional, beautiful

FIND OUT EVEN MORE HERE.

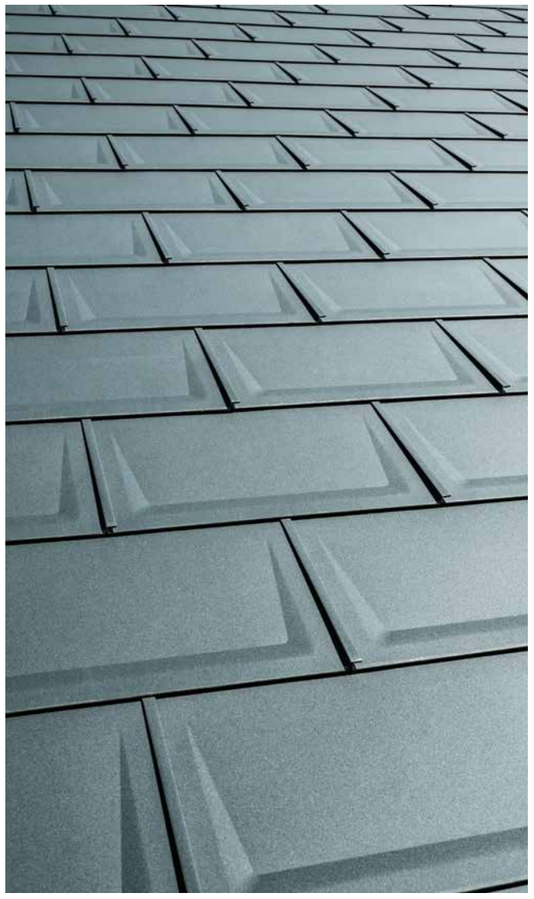
uk.prefa.com/reference-buildings

Product: R.16 roof tile
Colour: P10 anthracite
Location: Bottrop – Nevel (Germany)
Installed by: Haubrich

R.16 ROOF TILE

Simple, straightforward, large format

The R.16 roof tile ensures a minimalist and elegant roof design and gives architects and designers the greatest possible scope.
Not only is it easy on the eye, it's also quick to install. Thanks to the large format of the R.16 roof tile with its length of 70 cm and width of 42 cm, it's now possible to cover roofs with 3.4 tiles per square metre while achieving stunning effects at the same time.



TECHNICAL DATA — R.16 ROOF TILE ≥ 17°

- **Material**
  coil-coated aluminium, 0.7 mm thick
- **Standard finish**
  stucco
- **Dimensions**
  700 × 420 mm (cover), i.e. 3.4 pc./m²
- **Weight**
  approx. 2.5 kg/m²
- **Minimum roof pitch**
  17° (approx. 31 %)
- **Supporting substrate and separation layer***
  On fully boarded substrate (at least 24 mm), a separation layer is required for roof pitches between 17° and 25°; with snow loads greater than 3.25 kN/m² or in terrain categories 0, I or II, fully boarded substrate with a separation layer is required.
- **Standard fastening**
  direct fastening, 3 PREFA ring nails per R.16 roof tile (i.e. approx. 10 PREFA ring nails per m²)

* Observe national regulations and guidelines.

DS.19 ROOF SHINGLE

An elegant shell that is second to none

Product: DS.19 roof shingle
Colour: P.10 anthracite
Location: Skofja Loka (Slovenia)
Architectural design: Arhitektura Peternel
Installed by: Tomo Zadravec

FIND OUT EVEN MORE HERE.

uk.prefa.com/reference-buildings

Contrasts count:
a protective aluminium skin with a warm wooden core.

Lucija Franko | Arhitektura Peternel

DS.19 ROOF SHINGLE

Large format, lightweight and practical to install

The DS.19 roof shingle sets new standards where format and application area are concerned. It can be installed from a roof pitch of 17°, and at 480 × 262 mm, is larger than the classical shingle. This format enables faster and a more efficient installation; only eight DS.19 shingles are required per square metre. With 2.75 kg/m², the DS.19 roof shingle is also very light. The tried and tested flat lock system is not only storm-proof but also extremely weather-resistant.

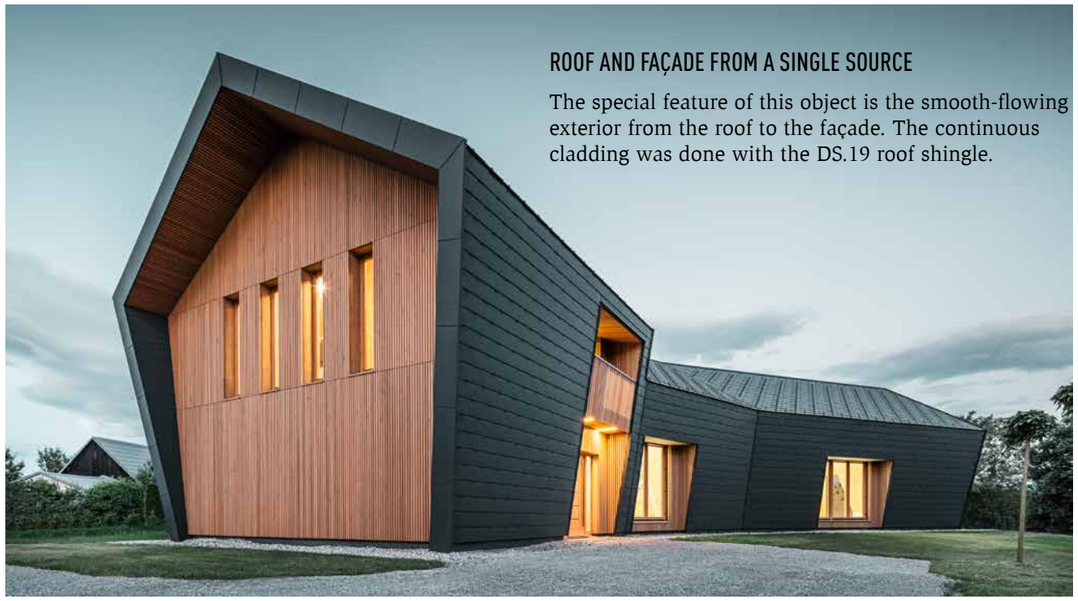
TECHNICAL DATA – DS.19 ROOF SHINGLE ≥ 17°

- **Material**
  coil-coated aluminium, 0.7 mm thick
- **Standard finish**
  stucco
- **Dimensions**
  480 × 262 mm (cover), i.e. 8 pc./m²
- **Weight**
  approx. 2.75 kg/m²
- **Minimum roof pitch**
  17° (approx. 31 %)
- **Supporting substrate and separation layer***
  On fully boarded substrate (at least 24 mm), a separation layer is required for roof pitches between 17° and 25°; with snow loads greater than 3.25 kN/m² or in terrain categories 0, I or II, fully boarded substrate with a separation layer is required.
- **Standard fastening**
  indirect fastening, 1 PREFA patent clip and ring nail per DS.19 roof shingle (i.e. 8 PREFA patent clips and ring nails per m²)

* Observe national regulations and guidelines.

SMOOTH-FLOWING EXTERIOR WITHOUT ROOF DRAINAGE ELEMENTS

A technically perfect implementation



ROOF AND FAÇADE FROM A SINGLE SOURCE

The special feature of this object is the smooth-flowing exterior from the roof to the façade. The continuous cladding was done with the DS.19 roof shingle.

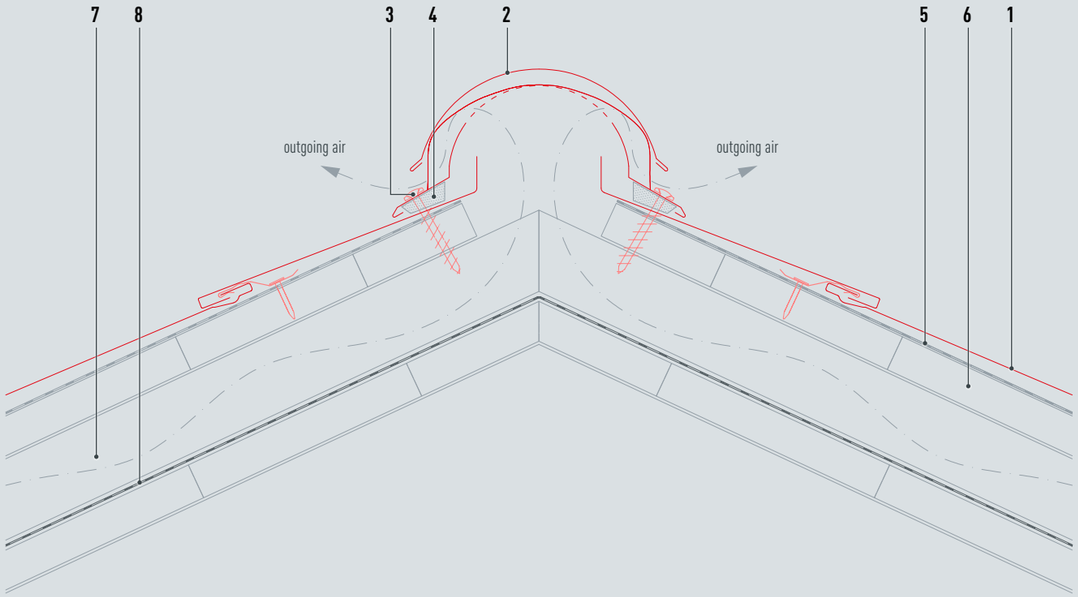
ALL-ROUND COORDINATED DESIGN

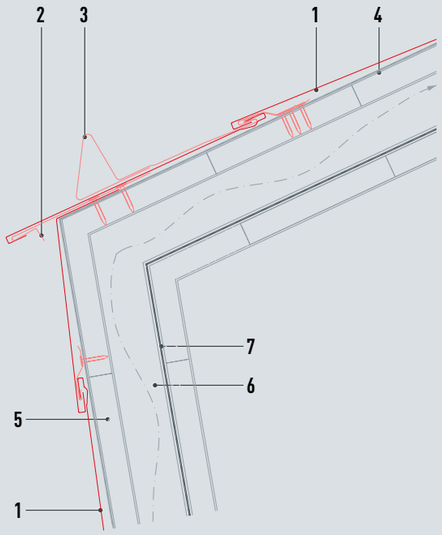
The fascia cladding on the gable ends of the building was executed with PREFALZ complementary material. This is used for all additional panelling and is available in various colours and surface structures for a coordinated design. In addition to the wooden gable soffits, the insides of the façade on the front sides of the building were clad with PREFA Sidings in P.10 anthracite.

SAFETY FROM BASE TO RIDGE

The PREFA roof shingle DS.19 was installed on a fully boarded substrate with a bituminous separation layer. The indirect fastening was carried out by means of patent clips andring shank nails. Ventilation at the ridge with a PREFA Ridge Vent.

1 DS.19 roof shingle
2 ridge vent
3 sealing screw
4 foam cushion wedge (self-adhesive)
5 separation layer
6 fully boarded substrate (at least 24 mm)
7 counter battens/Ventilation cavity
8 underlay

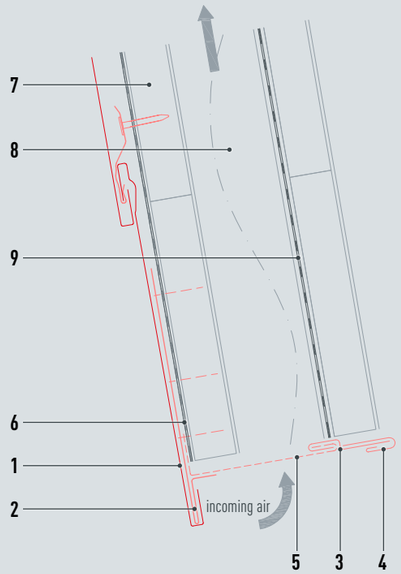




FULL FUNCTION WITHOUT ROOF DRAINAGE ELEMENTS

The building dispenses with gutters and downpipes, and drainage is carried out via the roof and façade surfaces. The rainwater seeps away through the existing soil covering (drainage gravel) around the building, which also acts as splash protection. The snow guard system used consists of PREFA snow guards in installation pattern 2, i.e. four pieces per square metre. The first two rows on the eaves are continuous.

1 DS.19 roof shingle
2 starter strip for DS.19 roof shingle
3 snow guard for DS.19 roof shingle
4 separation layer
5 fully boarded substrate (at least 24 mm)
6 counter battens/Ventilation cavity
7 underlay



ADVANTAGES OF THE VENTILATED BUILDING SHELL

The wooden sub-structure framework was realised with a continuous rear ventilation cavity for this object. The incoming air arrived at the base area of the façade and the outgoing air at the ridge. The roof and façade cladding is separated from the thermal insulation layer by a ventilated gap. This has the advantage that occasionally occurring moisture (condensation) is transported away again.

1 DS.19 roof shingle
2 starter strip for DS.19 roof shingle
3 cover strips
4 pocket flashing
5 perforated sheet folded
6 separation layer
7 fully boarded substrate (at least 24 mm)
8 counter battens/Ventilation cavity
9 underlay

ROOF SHINGLE

Experience traditional forms in a new way.

FIND OUT EVEN MORE HERE.

uk.prefa.com/reference-buildings

Product: roof shingle, half-round gutter, downpipe, siding
Colour: P.10 anthracite, light grey
Location: Einbeck (Germany)
Installed by: Dachdeckerei M. Steinmann

ROOF SHINGLE

As though tailor-made for each project.

A roof as flexible as your requirements:
The small format, particularly lightweight roof shingle shows its strengths whether used on the smallest surfaces or in large-scale projects. Through the flat lock system and concealed fastening, roof shingles not only prove to be extremely storm-proof and weather-resistant, but also illustrate their most beautiful side visually. Whether new roofing or a renovation: PREFA roof shingles combine the highest quality standards, function and aesthetics in an ideal manner.

TECHNICAL DATA — ROOF SHINGLE ∠ ≥ 25°

- **Material**
  coil-coated aluminium, 0.7 mm thick
- **Standard finish**
  stucco
- **Dimensions**
  420 × 240 mm (cover), i.e. 10 pc./m²
- **Weight**
  approx. 2.5 kg/m²
- **Minimum roof pitch**
  25° (approx. 47 %)
- **Supporting substrate and separation layer***
  On fully boarded substrate (at least 24 mm); with snow loads greater than 3.25 kN/m² or in terrain categories 0, I or II, fully boarded substrate with a separation layer is required.
- **Standard fastening**
  indirect fastening, 1 PREFA patent clip and ring nail per roof and façade shingle (i.e. 10 PREFA patent clips and ring nails per m²)

* Observe national regulations and guidelines.

RHOMBOID ROOF TILE 44 × 44

Making statements – durable and unsurpassable

Product: 44×44 rhomboid roof and façade tiles
Colour: special/bespoke colour maya gold
Location: Kiel (Germany)
Architectural design: Artur Gärtner Architektengesellschaft
Installed by: Dachtechnik Andritter GmbH
Building-related special solution

FIND OUT EVEN MORE HERE.

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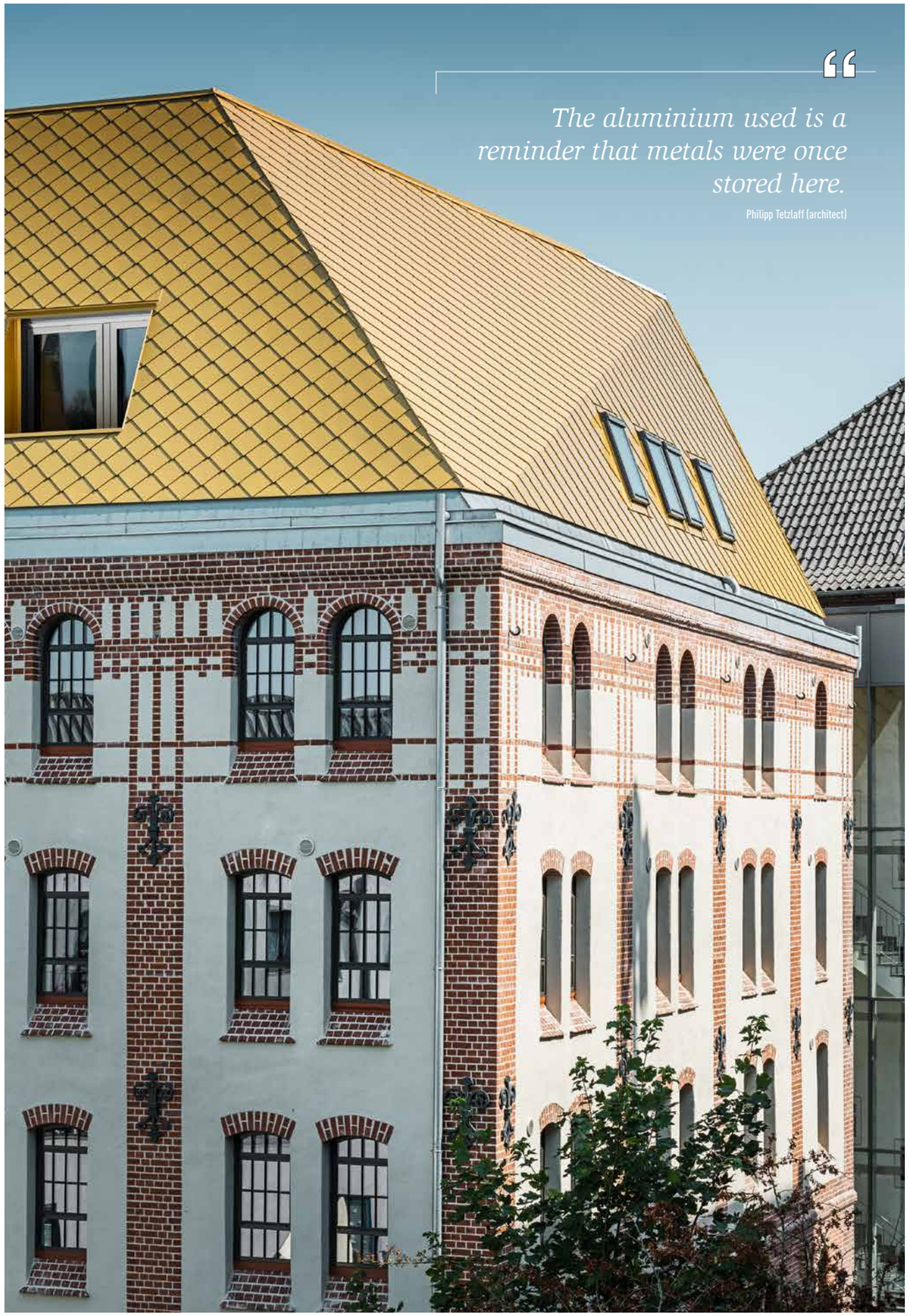


The aluminium used is a reminder that metals were once stored here.

Philipp Tetzlaff (architect)

RHOMBOID ROOF TILE 44×44

Elegant scale-like appearance with distinctive accents

Roofs full of character with a familiar pattern are achieved with the PREFA rhomboid roof tile. It breathes new life into a traditional and well-established shape, giving it a completely new and modern definition. The material is modern too: the 0.7 mm coil-coated aluminium ensures maximum durability and extreme weather resistance. The perfectly coordinated system, the low weight and the tried and tested flat lock installation technique ensure problem-free use on new roofs and renovations.

TECHNICAL DATA – RHOMBOID ROOF TILE 44×44 ≥ 12°

- **Material**
  coil-coated aluminium, 0.7 mm thick
- **Standard finish**
  stucco
- **Dimensions**
  437 × 437 mm (cover), i.e. 5.25 pc./m²
- **Weight**
  approx. 2.6 kg/m²
- **Minimum roof pitch**
  12° (approx. 21 %) — rafter length: up to 7 m
  14° (approx. 25 %) — rafter length: 7–12 m
  16° (approx. 29 %) — rafter length: over 12 m
- **Supporting substrate and separation layer***
  On fully boarded substrate (at least 24 mm); with snow loads greater than 3.25 kN/m² or in terrain categories 0, I or II, fully boarded substrate with a separation layer is required.
- **Standard fastening**
  direct fastening, 4 PREFA ring nails per rhomboid roof and façade tile 44 × 44 (i.e. 20 PREFA ring nails per m²)

* Observe national regulations and guidelines.

RHOMBOID ROOF TILE 29 × 29

An elegant "scaly" appearance with distinctive accents

FIND OUT EVEN MORE HERE.

uk.prefa.com/reference-buildings

Product: 29 × 29 rhomboid roof and facade tiles
Colour: P.10 oxide red
Location: Hamburg (Germany)
Architectural design: Jebens Schoof Architekten
Installed by: Dachdeckerei Thorsten Eggers
Building-related special solution

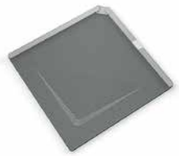
RHOMBOID ROOF TILE 29×29

A fresh interpretation of familiar patterns

PREFA's rhomboid roof tiles give roofs an elegant "scaly" appearance with distinctive accents. So every building is unique and full of character. Thanks to the perfectly coordinated system and the low weight, the rhomboid tiles can be used problem-free on new roofs and renovations. The 0.7 mm-thick coil-coated aluminium and the proven flat lock technology ensure maximum durability and extreme weather resistance.

TECHNICAL DATA – RHOMBOID ROOF TILE 29×29 ≥ 22°

- **Material**
  coil-coated aluminium, 0.7 mm thick
- **Standard finish**
  stucco
- **Dimensions**
  290 × 290 mm (cover), i.e. 12 pc./m²
- **Weight**
  approx. 2.6 kg/m²
- **Minimum roof pitch**
  22° (approx. 40%)

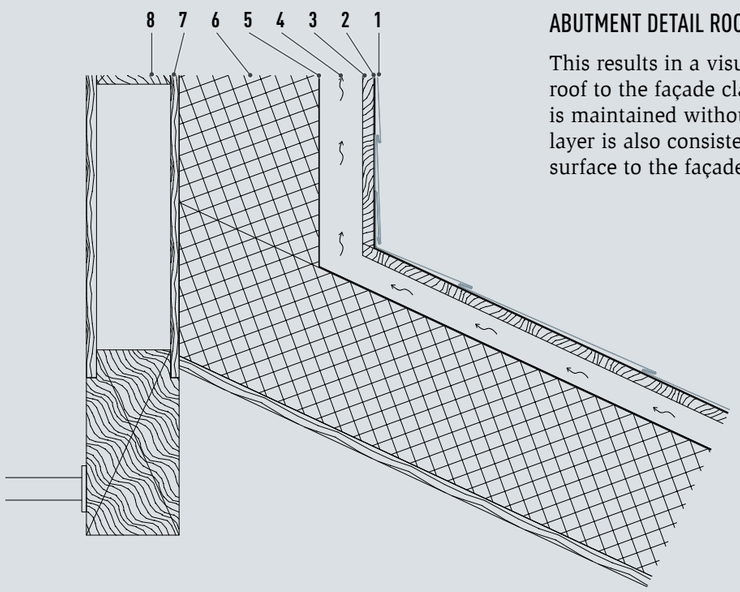


- **Supporting substrate and separation layer***
  On fully boarded substrate (at least 24 mm); with snow loads greater than 3.25 kN/m² or in terrain categories 0, I or II, fully boarded substrate with a separation layer is required.
- **Standard fastening**
  indirect, 1 PREFA rhomboid roof tile clip as well as 1 ring nail per rhomboid roof tile 29 × 29 (i.e. 12 PREFA rhomboid roof tile clips as well as 12 ring nails per m²)

* Observe national regulations and guidelines.

SEAMLESS TRANSITION FROM ROOF TO FAÇADE

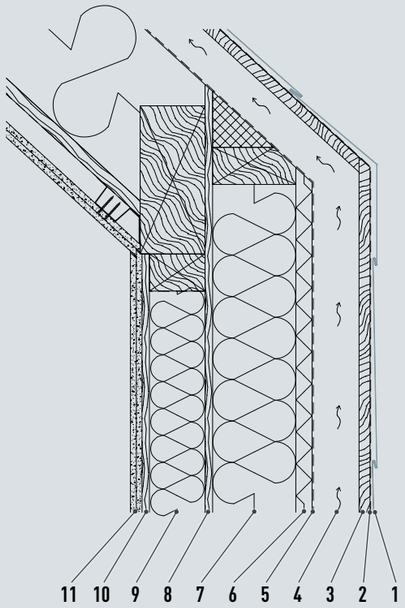
Consistent design of the laying grid and the ventilated gap



ABUTMENT DETAIL ROOF TO WALL

This results in a visually seamless transition from the roof to the façade cladding, and the installation grid is maintained without interruption. The ventilated air layer is also consistently continued, i.e. from the roof surface to the façade cladding.

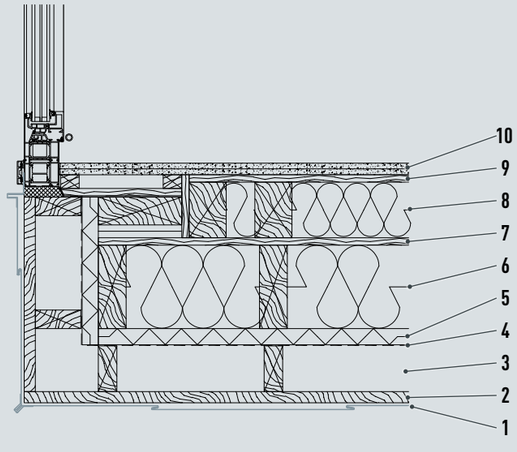
1 rhomboid roof tile 29×29
2 separation layer
3 fully supported substrate
4 counter battens as ventilation cavity
5 underlay
6 MW 035 DAD-dk insulation, two-layer
7 OSB board with vapour barrier
8 rafters



FAÇADE TRANSITION

The transition of the rainproof roof underlay enables maximum safety for the construction. Ventilation occurs on the roof hood. The additional ventilation thus extends over the façade to the roof, and the ventilation room height is adapted to the situation. The façade cladding also strikingly follows the shape of the building.

1 rhomboid roof tile 29×29
2 separation layer
3 fully supported substrate
4 counter battens as ventilation cavity
5 façade tray
6 wood fibre insulation boards, hydrophobic
7 construction timber according to DIN 68365 or WLG 035 clamping felt
8 OSB board
9 construction timber according to DIN 68365 or WLG 035 clamping felt
10 1.6 OSB board
11 plasterboard, two-layer



FAÇADE ABUTMENT EXTERIOR WALL

The façade cladding was installed around the corner, with accentuated corner formation up to the roof. The transition is designed in further detail also at the window connections and looks as if it is “framed”.

1 rhomboid roof tile 29×29
2 fully supported substrate
3 counter battens as ventilation cavity
4 façade tray
5 wood fibre insulation boards, hydrophobic
6 construction timber according to DIN 68365 or WLG 035 clamping felt
7 OSB board
8 construction timber according to DIN 68365 or WLG 035 clamping felt
9 1.6 OSB board
10 plasterboard, two-layer

FX.12 ROOF PANEL

Architecture and design become one.

Product: FX.12 roof and facade panel
Colour: metallic silver
Location: Nattheim (Germany)
Architectural design: Architekturbüro Bernd Mailänder
Installed by: Bauflaschnerei Waldemar Akst

FIND OUT EVEN MORE HERE.

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FX.12 ROOF PANEL

Vibrant light and shade effects

PREFA's FX.12 roof panels are innovative design elements which enable particularly futuristic surfaces to be created with their geometric designs. The appearance differs depending on how the light falls, making every building unique. The use of two different panel dimensions (small and large) further enhances the asymmetrical, one-of-a-kind look.

TECHNICAL DATA — FX.12 ROOF PANEL ≥ 17°

- **Material**
  coil-coated aluminium, 0.7 mm thick
- **Finish**
  smooth
- **Dimensions**
  700 × 420 mm (cover), i.e. 3.4 pc./m²
  1,400 × 420 mm (cover), i.e. 1.7 pc./m²
- **Weight**
  approx. 2.4 to 2.5 kg/m²
- **Minimum roof pitch**
  17° (approx. 31 %)
- **Supporting substrate and separation layer***
  On fully boarded substrate (at least 24 mm), a separation layer is required for roof pitches between 17° and 25°; with snow loads greater than 3.25 kN/m² or in terrain categories 0, I or II, fully boarded substrate with a separation layer is required.
- **Standard fastening**
  direct, with 3 PREFA ring shank nails per small FX.12 roof panel, with 5 PREFA ring shank nails per large FX.12 roof panel (i.e. approx. 8 – 10 PREFA ring nails per m²)

* Observe national regulations and guidelines.

PREFALZ AND FALZONAL®

Malleable with maximum flexibility

Product: PREFALZ
Colour: P10 Prefa bronze
Location: Vienna (Austria)
Architectural design: BERGER+PARKKINEN ARCHITEKTEN
Installed by: Alexander Pfeifer GesmbH

FIND OUT EVEN MORE HERE.

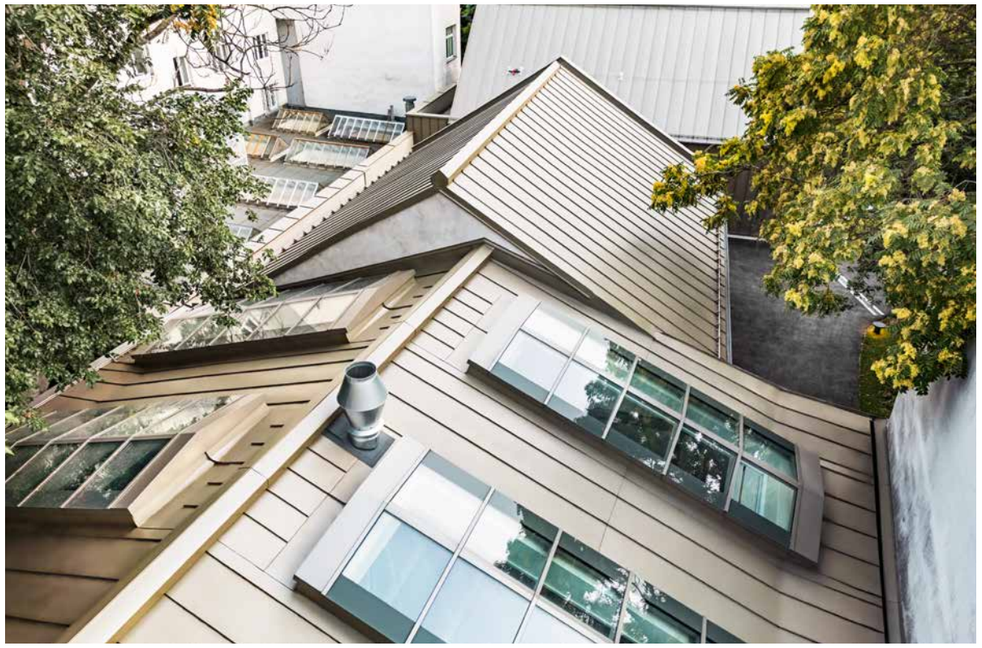
uk.prefa.com/reference-buildings

PREFALZ AND FALZONAL®

A combination of malleability, elegance and infinite design possibilities

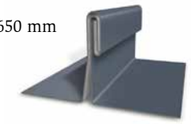
PREFALZ offers numerous possibilities in terms of colour and shape. Thanks to the aluminium material, it is more supple than most comparable folding materials and therefore particularly easy to form. From barrel roofs to complex roof extensions, domes or large-scale roofs — PREFALZ offers architects countless individual design options that would hardly be possible with any other material.
Folds and bends won't affect the paint quality at all. PREFALZ is supplied in a total of 19 colours and in plain aluminium with a smooth or stucco surface, as required.

In terms of alloy, strength and coating, FALZONAL®, the colour aluminium strip, has been specially tailored for applications using sheet metal techniques. It is perfectly suited to the widest variety of folding techniques and can be individually combined with materials such as wood and glass. The material is easy to work with and at the same time is highly resilient.



TECHNICAL DATA — PREFALZ AND FALZONAL®

- **Material**
  coil-coated aluminium, 0.7 mm thick
- **Standard dimensions**
  PREFALZ for roofs: 0.7 × 500 mm; 0.7 × 650 mm
  complementary coil: 0.7 × 1000 mm
  FALZONAL® 0.7 × 600 mm
  complementary coil: 0.7 × 1200 mm



- **Weight**
  approx. 1.89 kg/m²
  actual consumption with PREFALZ 500: approx. 2.3 kg/m²
  actual consumption with PREFALZ 650: approx. 2.2 kg/m²
  actual consumption with FALZONAL® 600: approx. 2.19 kg/m²
- **Minimum roof pitch**
  3° (approx. 5 %)
- **Supporting substrate and separation layer***
  on fully boarded substrate (at least 24 mm); separation layer as required
- **Standard fastening**
  PREFA preformed fixed and long sliding clips (stainless steel) according to static requirements

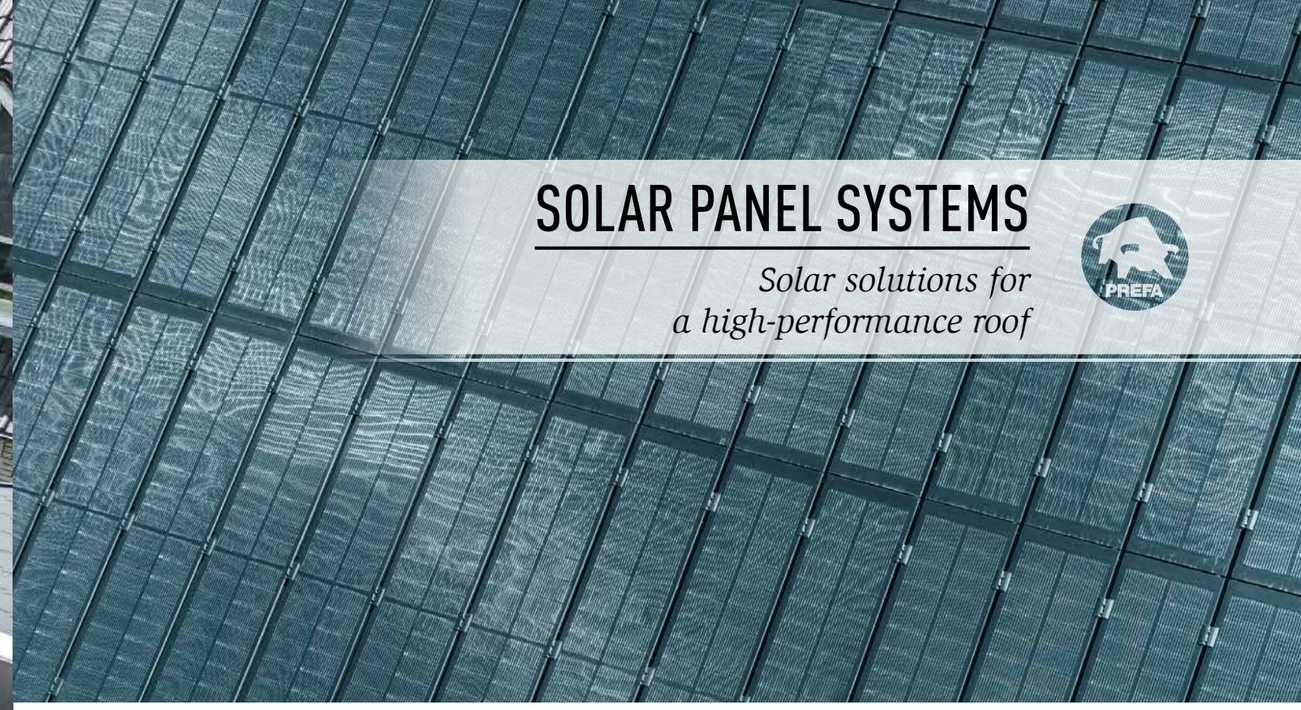
* Observe national regulations and guidelines.

NOTE

PREFALZ can be combined with the new PREFALZ solar panel

>> PAGE 60

Product: DS.19 roof shingle, PREFALZ
Colour: P.10 anthracite
Location: Dortmund (Deutschland)
Installed by: Sindermann



SOLAR PANEL SYSTEMS

Solar solutions for a high-performance roof

Photovoltaics is an easy way to generate electricity in an environmentally friendly way. Contrary to other sustainable power generation plants, such as wind turbines or hydroelectric power plants, almost anyone can produce electricity on their own roof. Solar technology has developed significantly in recent years, and even small photovoltaic systems can generate sufficient yields. This will bring you one step closer to energy independence.

PREFALZ SOLAR PANEL

PREFALZ solar panel 500 (2,000×408 mm)
PREFALZ solar panel 650 (2,000×558 mm)

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SOLAR PANEL MOUNTING SYSTEM

Supporting rails and accessories for solar panel systems

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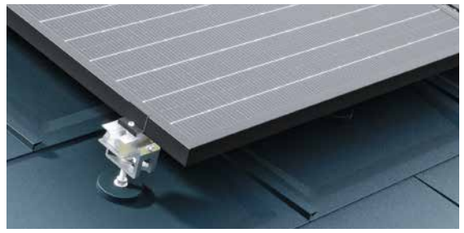


PREFALZ SOLAR PANEL 500/650

The innovative PV system for PREFALZ roofs

NEW!

Solar panel system for PREFALZ roofs

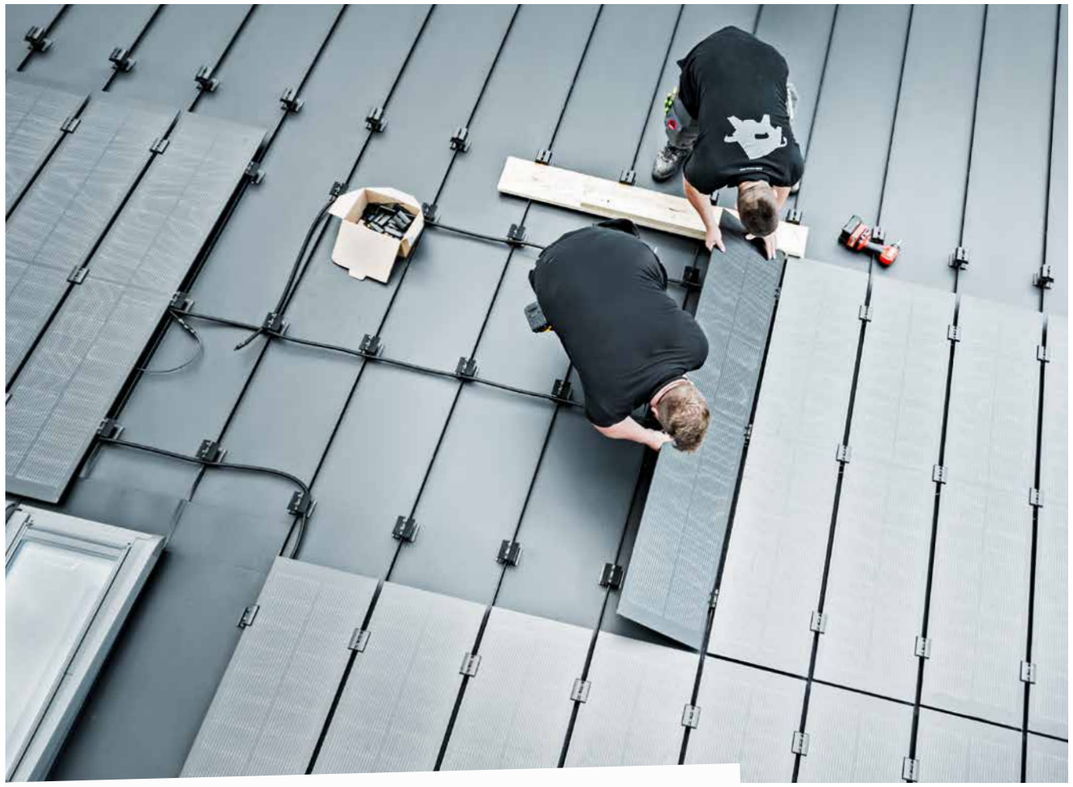
www.prefa.solar

Product: PREFA's PREFALZ solar panel combined with PREFALZ
Colour: P.10 black
Location: Meschede (Germany)
Architectural design: Daniel und Caroline Berster
Installed by: Stappert Dachdeckerei

PREFALZ SOLAR PANEL

Tailored to the PREFALZ roof system

The PREFALZ solar panels are an innovative combination of glass/glass PV panels with the specially developed seam clamps and solar panel clamps in one construction part, which are attached directly to the standing seams and thus enable installation parallel to the roof with a minimum installation height. The clear PREFALZ lines are harmoniously continued, thus retaining the characteristic appearance of the roof panels. The PREFALZ solar panels are available in black and are delivered with matching black anodised solar panel clamps.



3.2 mm PRISMATIC SOLAR GLASS
ENCAPSULATION MATERIAL
PHOTOVOLTAIC CELL TYPE TOPCON
ENCAPSULATION MATERIAL
3.2 mm REAR GLASS

CONNECTION BOX,
MC4 PLUG/SOCKET WITH SOLAR CABLE AND CABLE PROTECTION HOSE

BENEFITS OF THE PREFALZ SOLAR PANEL

A secure feeling of being independent.

MADE IN AUSTRIA

The PREFALZ solar panel is developed and produced in Austria to a high standard and is 100 % compatible with PREFA's complete system.

AESTHETIC

Parallel to the roof, preserves the character of the standing seam look, flat structure of overall system, adapted to the traywidth of the PREFALZ roofing

PERFORMANCE GUARANTEE

Solar panel: 10-year product guarantee, performance guarantee 85 % of the solar panel's nominal capacity after 25 years, additional 25-year product guarantee on the PREFA seam clamps Sub-structure framework

INDEPENDENT, ECONOMICAL & SUSTAINABLE

The sun is always available as an energy source,
the self-produced energy can be used directly,
fed into the grid or stored.
CO_2-friendly production site

RESISTANCE

The glass/glass PV panel is robust and durable. Equipped with the latest TOPCon cell technology, it provides 10 % more performance, even in diffuse lighting conditions.

2-IN-1 TECHNOLOGY

Seam and solar panel clamp in one product, simple and fast installation due to only few components required

RETROFITTING POSSIBLE

Solar panels can be mounted on new PREFALZ roofs as well as retrofitted to existing PREFALZ roofs

NO ROOF PENETRATION

The solar panel clamps are used to attach the solar panels directly to the double locked seams and there is no need for the roof covering to be penetrated by screws, etc.

PREFA'S PREFALZ 500 SOLAR PANEL

PREFA's PREFALZ 500 solar panel has the dimensions 2,000 × 408 mm and achieves an output of 150 Wp/pc. It is available in black and each panel weighs 15 kg.

PREFA'S PREFALZ 650 SOLAR PANEL

PREFA's PREFALZ 650 solar panel has the dimensions 2,000 × 588 mm and achieves an output of 150 Wp/pc. It is available in black and each panel weighs 21 kg.

TECHNICAL DATA – PREFALZ 500 SOLAR PANEL

- **Performance**
  150 Wp, required area per kWp: 5.44 m^2
- **Dimensions**
  2,000 × 408 mm
- **Weight**
  15 kg (18 kg/m^2)
- **Cell type**
  TOPCon
- **Material**
  Front glass 3.2 mm
  Rear glass 3.2 mm
- **Plug**
  Standard MC4 male/female connector
- **Solar panel guarantee**
  10-year product guarantee,
  25-year performance guarantee 85 %
- **System component guarantee**
  25-year product guarantee
- **Roof pitch**
  from 3° (5 %)*
- **Fastening**
  With a solar middle/end clamp PREFALZ 500/650 on a double-lock standing seam with solar panel anti-slip protection, the number of clamps per solar panel varies depending on the roof pitch and location.

TECHNICAL DATA – PREFALZ 650 SOLAR PANEL

- **Performance**
  150 Wp, required area per kWp: 7.44 m^2
- **Dimensions**
  2,000 × 558 mm
- **Weight**
  21 kg (18 kg/m^2)
- **Cell type**
  TOPCon
- **Material**
  Front glass 3.2 mm
  Rear glass 3.2 mm
- **Plug**
  Standard MC4 male/female connector
- **Solar panel guarantee**
  10-year product guarantee,
  25-year performance guarantee 85 %
- **System component guarantee**
  25-year product guarantee
- **Roof pitch**
  from 3° (5 %)*
- **Fastening**
  With a solar middle/end clamp PREFALZ 500/650 on a double-lock standing seam with solar panel anti-slip protection, the number of clamps per solar panel varies depending on the roof pitch and location.

* Country-specific requirements may vary. Tested and approved for PREFALZ double-lock standing seam roofing.

SOLAR PANEL MOUNTING SYSTEM

Get your roof working for you.

Solar energy is not just one of the most environmentally-friendly forms of energy, but it also saves the owner money. When solar panels are used, valuable raw materials are not consumed and harmful carbon dioxide is not released into the atmosphere.

SUPPORTING RAILS AND ACCESSORIES FOR SOLAR PANEL SYSTEMS

With the solar product range, PREFA offers a sophisticated solution that perfectly matches the roof covering. In comparison with many other fasteners for solar panels, this system does not restrict the function or durability of PREFA roofing. Thanks to ongoing further development, the mounting system always remains at the cutting edge of technology. The right kind of fastener is available for every PREFA roof system — from small-format products to PREFALZ standing seams. Safety comes first, which is why advice and supporting substrate calculations are provided solely by PREFA product technicians or trained sales partners. Assembly is also only carried out by professional, skilled workers.

PREFA SOLAR PANEL MOUNTING SYSTEM

1. vario solar bracket
2. PREFALZ Vario solar bracket
3. sunny solar bracket

THE PERFECT SOLUTION FOR STRONG ROOFS

If you rely on renewable energy, you ought to rely on the highest quality too.

GOOD REASONS FOR CHOOSING A PREFA MOUNTING SYSTEM

- Top PREFA quality and service thanks to an extensive network of professional roofers.
- One mounting system for all PREFA products.
- Quick and easy assembly with standard tools.
- Advice from trained partners and professional calculations using PREFA technology ensure safety.
- Always at the cutting edge of technology thanks to ongoing developments.
- Made in Austria! Our experience on the roof will secure your energy in the future.
- Long service life, long-term value.

ROOF DRAINAGE

Guaranteed rust-free even after many years.

QUALITY FROM AUSTRIA

since 1946

PREFA offers a complete aluminium roof drainage system including mounting accessories from one supplier — from half-round gutters to square downpipes, and from strainers to leader heads. The system that has been tried and tested for years will win you over with its well-thought-out, detailed technical solutions. The PREFA drainage system is mainly made of aluminium so it is guaranteed to remain rust-free, fully functional and attractive even after many years. Even tedious maintenance work such as touching up or repainting is not an issue with PREFA's high-quality coatings.

ENVIRONMENTALLY-FRIENDLY AND POLLUTION FREE

The PREFA aluminium drainage system is the best choice from an ecological point of view too. This is because aluminium does not release harmful heavy metal ions into the sewage water when gutters and pipes are constantly flushed out with rainwater, as is the case with conventional materials. Aluminium can be recycled as often as necessary without loss of quality. And what's the best thing about that? The manufacture of secondary aluminium requires 95 % less energy than that required to obtain primary aluminium. Aluminium's light weight (less transport and construction site times) and durability (does not break, rust or freeze) also ensure its sustainability.

HIGHLY WEATHER-RESISTANT EVEN IN EXTREME CONDITIONS

The gutters are produced from colour-coated aluminium coils. Thanks to the high-quality surface treatment in a coil-coating process, the paint layer remains malleable and highly resistant, even under extreme weather conditions.

40* YEAR MATERIAL GUARANTEE

40* YEAR COLOUR GUARANTEE

* The colour guarantee ensures that the P.10 painted surface is protected from chips and blistering under the terms specified in the guarantee certificate.

GUTTERS AND DOWNPIPES

half-round gutter
box gutter
on-roof gutter
downpipe

BOX GUTTER AND SQUARE DOWNPIPE

box gutter
square downpipe

GUTTERS AND DOWNPIPES

Elegant appearance, highly weather-resistant

Roof drainage: Leader head and downpipe
Colour: P.10 light grey
Location: St. Valentin (Austria)
Installed by: Rössler Spengler - Dachdecker e. U.

GUTTERS AND DOWNPIPES

With well-thought-out, detailed technical solutions

HALF-ROUND GUTTERS

Half-round gutter 250
Half-round gutter 280
Half-round gutter 333
Half-round gutter 400

BOX GUTTER

Box gutter 250
Box gutter 333
Box gutter 400
Box gutter 500*

ON-ROOF GUTTER

On-roof gutter 700 mm

DOWNPIPE

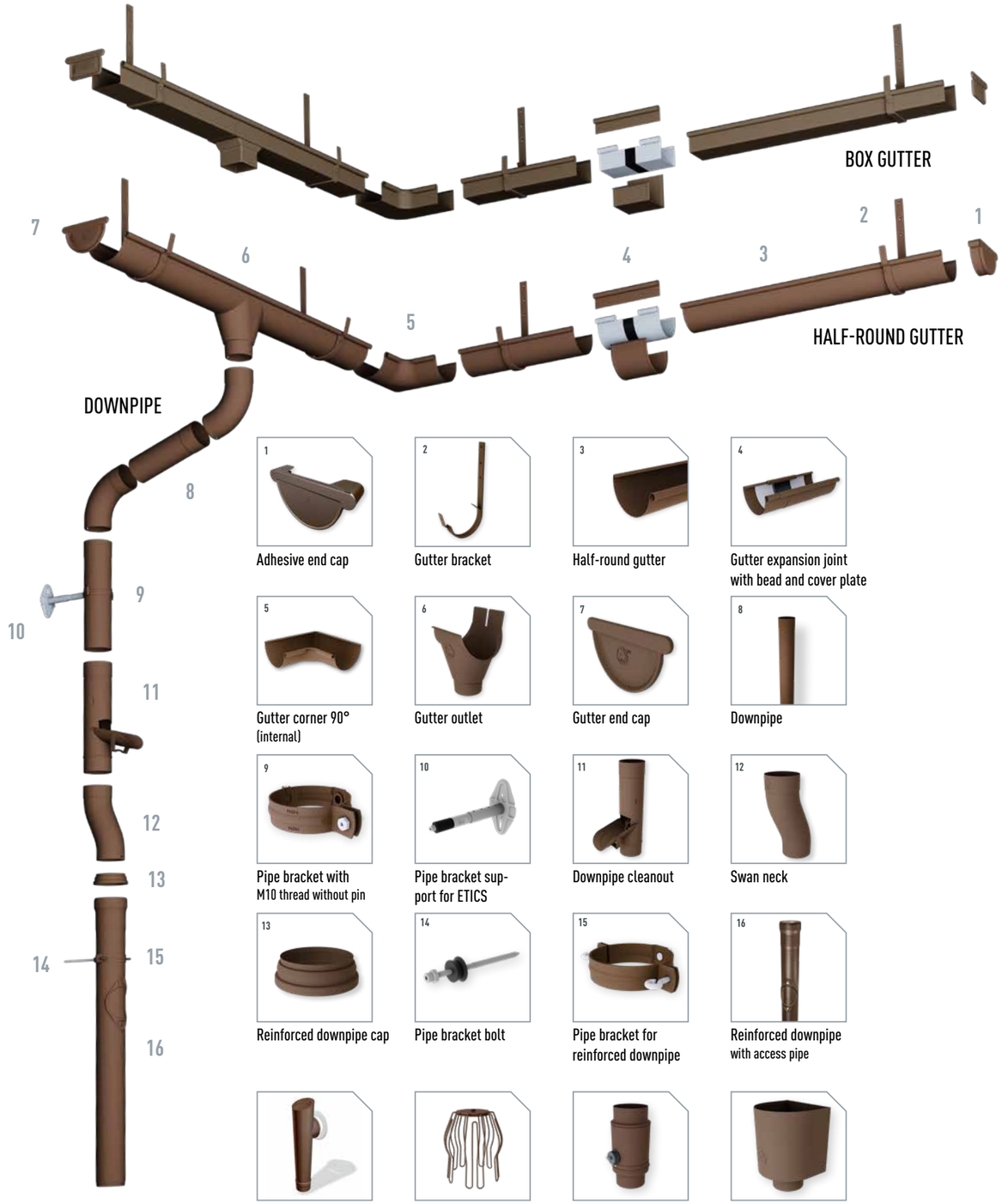
Downpipe ⌀ 60 mm
Downpipe ⌀ 80 mm
Downpipe ⌀ 100 mm
Downpipe ⌀ 120 mm
Downpipe ⌀ 150 mm

* not available in P.10

TIP FROM THE EXPERTS!

DOWNPIPE WITH A ROBUST DESIGN (1.6 mm thick)

With a length of almost three metres and made of 1.6 mm thick aluminium (⌀ 100 mm), these downpipes offer two decisive product advantages: thanks to their particularly high resistance, they are ideal for installing in the driveway or garden as they cannot become dented, for example, by children playing, or by falling objects. Their length also gives them a visual advantage as no fasteners are required at eye level or in the direct field of vision. This functional detail creates an elegant impression, especially on modern detached houses, as it allows the roof drainage system to fade discreetly into the background when tone-in-tone solutions are used to match the colour of the façade.



This is a representative selection of products.
Other matching accessories are also available.

BOX GUTTER AND SQUARE DOWNPIPE

Powerful function that makes a modern statement

Product: PREFA
Roof drainage: Box gutter and square downpipe
Colour: nature gray
Location: Genthin / Ostrau
Architectural design: Berner Hofmann Architekten

Product: box gutter
Colour: Anthracite
Location: Dortmund (Germany)
Installed by: Sindermann

BOX GUTTER AND SQUARE DOWNPIPE

Modern roof drainage for minimalist architecture

The square complete system in an elegant minimalist design is perfect for modern buildings. Drains can be perfectly integrated into the architecture, embellishing any building. Through brackets on the rear side, the square down pipe skilfully blends into the façade without any visible fasteners.

BOX GUTTERS

Box gutter 250
Box gutter 333
Box gutter 400
Box gutter 500*

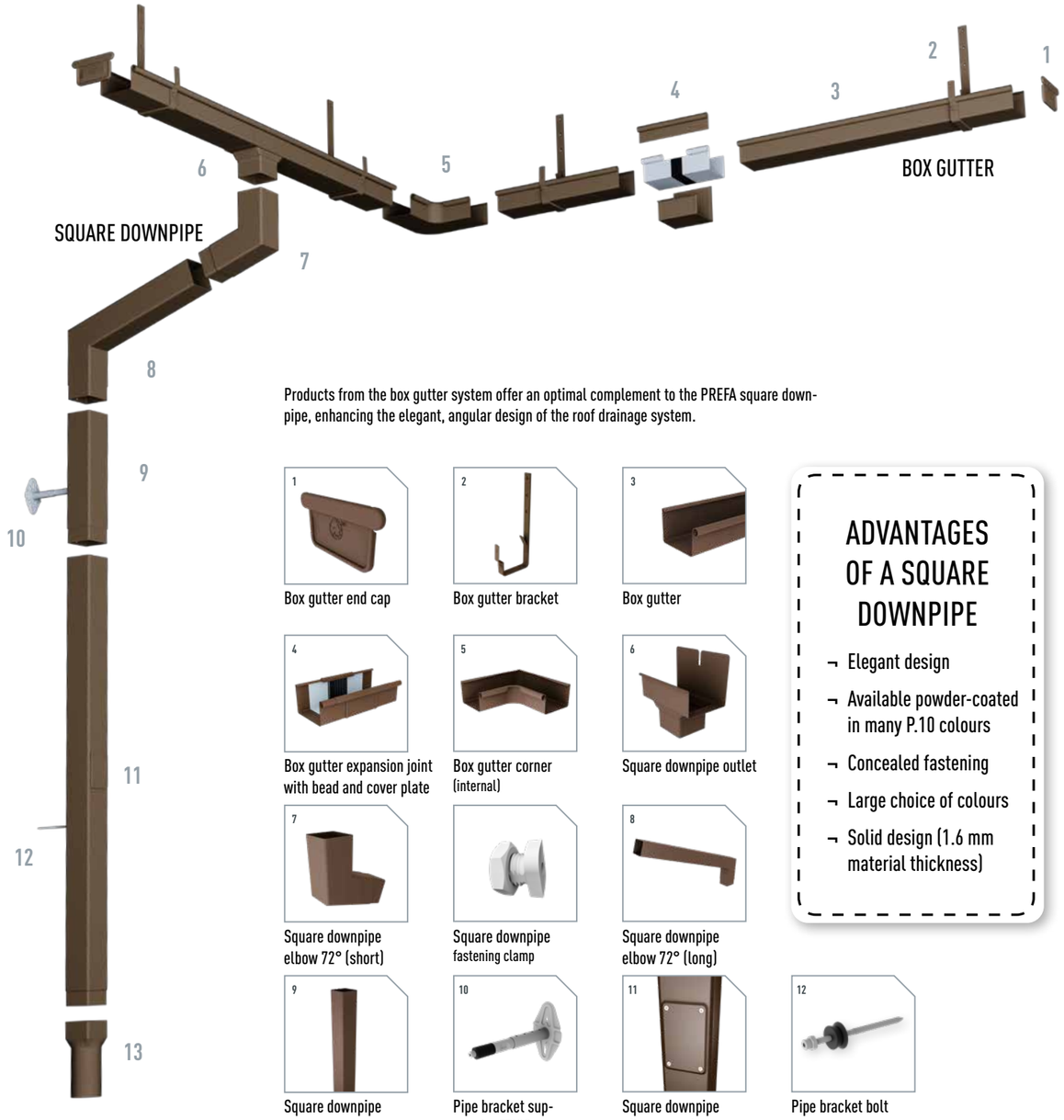
* not available in P.10

SQUARE DOWNPIPES

Square downpipe 80 (side length: 80 mm)
Square downpipe 100 (side length: 100 mm)
Material thickness: 1.6 mm
Lengths: 3000 mm, 1500 mm, 600 mm

ROBUST DESIGN

The PREFA square downpipe system is made up of various coordinated components such as square downpipes with radii corresponding to the box gutters, two different downpipe elbows with a 72° bend, parapet outlet connectors and leader heads with a square bead and outlet. The innovative aluminium products are outstanding due to their robust design. for examble the extruted square downpipe, available in dimensions of 80 mm and 100 mm, made of 1.6 mm thick powder coated aluminium with a continious fixing rail in the back for a secret fixing.



Products from the box gutter system offer an optimal complement to the PREFA square downpipe, enhancing the elegant, angular design of the roof drainage system.

1 Box gutter end cap
2 Box gutter bracket
3 Box gutter
4 Box gutter expansion joint with bead and cover plate
5 Box gutter corner (internal)
6 Square downpipe outlet
7 Square downpipe elbow 72° (short)
Square downpipe fastening clamp
8 Square downpipe elbow 72° (long)
9 Square downpipe
10 Pipe bracket support for ETICS
11 Square downpipe with access pipe
12 Pipe bracket bolt
13 Square-to-round adapter
Square downpipe lightning protection clamp with fastening clamp
Square downpipe leader head
Square downpipe parapet outlet connector

This is a representative selection of products.
Other matching accessories are also available.

ADVANTAGES OF A SQUARE DOWNPIPE

- Elegant design
- Available powder-coated in many P.10 colours
- Concealed fastening
- Large choice of colours
- Solid design (1.6 mm material thickness)

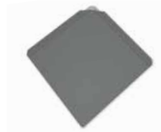
FAÇADE SYSTEMS

From extravagant to classic and simple, everything is possible.

Product: PREFABOND aluminium composite panel
Colour: P.10 black
Location: Olomouc (the Czech Republic)
Architektur: atelier-r
Installed by: OHL ŽS+STRABAG

FAÇADE SHINGLE
PAGE **72**

RHOMBOID FAÇADE TILE 44 × 44
PAGE **76**



RHOMBOID FAÇADE TILE 29 × 29 | 20 × 20
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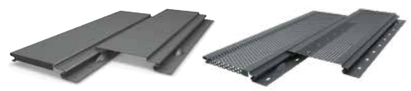
FX.12 FAÇADE PANEL
PAGE **82**

PREFALZ | FALZONAL®
PAGE **86**

SIDING | PERFORATED SIDING
PAGE **90**



SIDING.X
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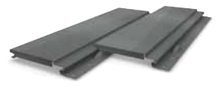
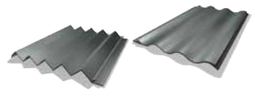


PREFABOND ALUMINIUM COMPOSITE PANEL
PAGE **100**

EXTRUDED PROFILES
SERRATED PROFILE | RIPPLE PROFILE
PAGE **106**



FAÇADE SHINGLE

When small formats make it big.

Product: façade shingle
Colour: P.10 oxide red, P.10 brick red, special/bespoke colour RAL 8012 (red-brown), special/bespoke colour RAL 3011 (brown-red)
Location: Gällivare (Sweden)
Architectural design: MAF Arkitektkontor AB
Installed by: HALA Byggplåtslageri AB

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FAÇADE SHINGLE

As though tailor-made for each project

The PREFA façade shingle combines the rhomboid shape, which has been tried and tested thousands of times, with the high-tech material aluminium. This makes it the ideal product for classic-traditional façade designs as well as for modern buildings.

TECHNICAL DATA — FAÇADE SHINGLE

- **Material**
  coil-coated aluminium, 0.7 mm thick
- **Dimensions**
  420 × 240 mm (cover), i.e. 10 pc./m²
- **Weight**
  approx. 2.5 kg/m²
- **Supporting substrate***
  on fully boarded substrate (at least 24 mm)
- **Standard fastening**
  indirect fastening, 1 PREFA patent clip and ring nail per façade shingle (i.e. 10 PREFA patent clips and ring nails per m²)

* Observe national regulations and guidelines.

The façade should convey this detailed search for the human scale.

Mats Jakobsson | MAF Arkitektkontor AB

RHOMBOID FAÇADE TILE 44 × 44

Making statements – durable and unsurpassable

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Produkt: 44×44 rhomboid roof and façade tiles
Farbe: P.10 nut brown
Ort: Savenay (France)
Architektur: Leiner Lorenz Architekten
Verarbeitung: Sperber Klempner GmbH & Co. KG

RHOMBOID FAÇADE TILE 44 × 44

A fresh interpretation of familiar patterns

The large format of the rhomboid façade tile 44 × 44 gives the building a particularly elegant and modern appearance. Weighing only 2.6 kg/m², it is not only extremely lightweight, but the integrated fastening strips also facilitate speedy and inexpensive installation. Only approx. five façade elements are required for one square metre. This also saves time and money.

TECHNICAL DATA – RHOMBOID FAÇADE TILE 44 × 44

- **Material**
  coil-coated aluminium, 0.7 mm thick
- **Dimensions**
  437 × 437 mm (cover), i.e. 5.25 pc./m²
- **Weight**
  approx. 2.6 kg/m²

- **Supporting substrate***
  on fully boarded substrate (at least 24 mm)
- **Standard fastening**
  direct fastening, 4 PREFA ring nails per rhomboid façade tile 44 × 44 (i.e. 20 PREFA ring nails per m²)

* Observe national regulations and guidelines.

The calm architectural language conveys dignity and vitality.

Pascal Courant | AUNE agence d'architecture et d'urbanisme

Product: rhomboid façade tile 29 × 29
Colour: P.10 pure white, special/bespoke colour different shades of blue
Location: Weitersfeld (Austria)
Architectural design: konstrukt:ING GmbH / g.o.y.a. Ziviltechniker G.e.s.m.b.H.
Installed by: Hörmansdorfer GmbH

RHOMBOID FAÇADE TILE 29 × 29

A medium-sized format ensures flexibility.

The façade tile 29 × 29 is the perfect combination of style and function. With its dimensions of 290 × 290 mm, it falls within the medium range and can therefore be used flexibly. Rhomboid façade tiles 29 × 29 can be ordered with or without a ridge.

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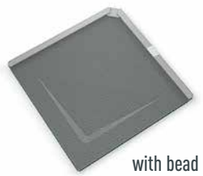
TECHNICAL DATA – RHOMBOID FAÇADE TILE 29 × 29

- **Material**
  coil-coated aluminium, 0.7 mm thick
- **Dimensions**
  290 × 290 mm (cover), i.e. 12 pc./m²
- **Weight**
  approx. 2.6 kg/m²
- **Supporting substrate***
  on fully boarded substrate (at least 24 mm)
- **Standard fastening**
  indirect, 1 PREFA rhomboid façade tile clip as well as 1 ring nail per rhomboid façade tile 29 × 29 (i.e. 12 PREFA rhomboid façade tile clips as well as 12 ring nails per m²)

* Observe national regulations and guidelines.

without bead



with bead

RHOMBOID FAÇADE TILE 20 × 20

Attractive right down to the last detail

With the small-format rhomboid façade tile 20 × 20, architectural features can be effectively highlighted. Smaller façade areas, gables, chimneys and bays can be attractively covered with great attention to detail. Even individual patterns with different shades of colour are possible and make every building unique. Combining the small-format rhomboid façade tiles with other façade components creates a particularly attractive effect.

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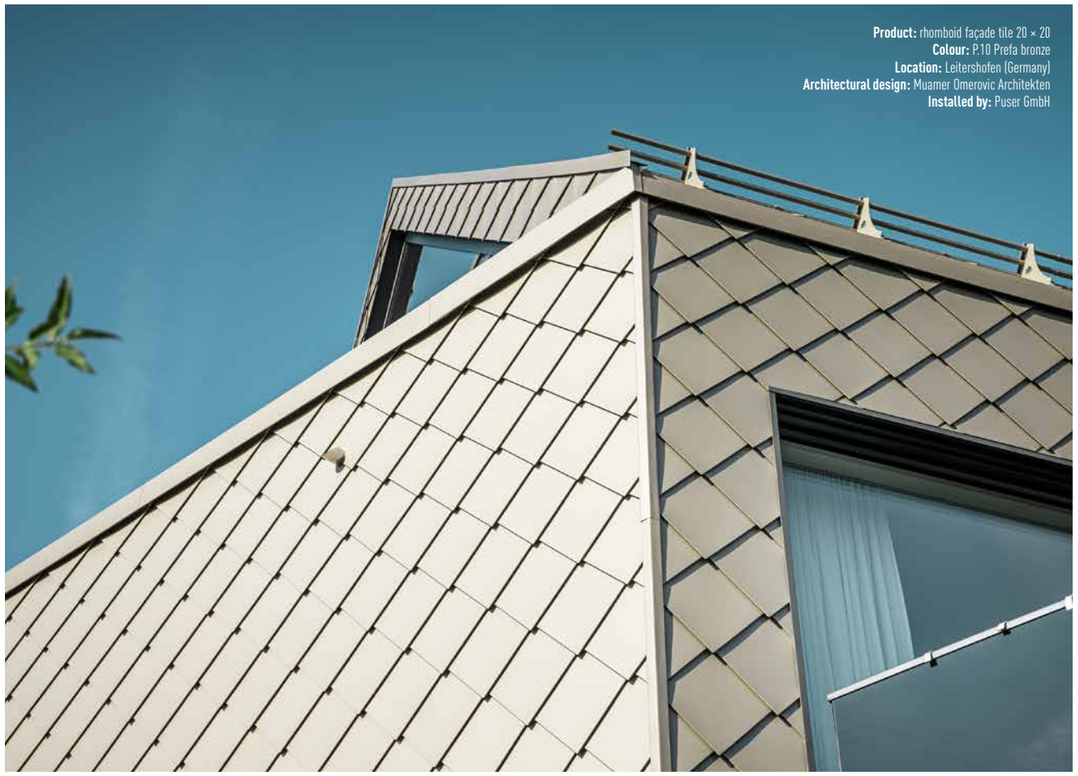

Product: rhomboid façade tile 20 × 20
Colour: P.10 Prefa bronze
Location: Leitershofen (Germany)
Architectural design: Muamer Omerovic Architekten
Installed by: Puser GmbH

TECHNICAL DATA – RHOMBOID FAÇADE TILE 20 × 20

- **Material**
  coil-coated aluminium, 0.7 mm thick
- **Dimensions**
  200 × 200 mm (cover), i.e. 25 pc./m²
- **Weight**
  approx. 2.8 kg/m²
- **Supporting substrate***
  on fully boarded substrate (at least 24 mm)
- **Standard fastening**
  direct fastening, 1 PREFA ring nail per rhomboid façade tile 20 × 20 (i.e. 25 PREFA ring nails per m²)

* Observe national regulations and guidelines.

FX.12 FAÇADE PANEL

When a façade shows strength and character.

FIND OUT EVEN MORE HERE.

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Product: FX.12 roof and façade panel
Colour: P10 PREFA white
Location: Saint-Didier-de-Formans (France)
Architectural design: Youri Favre Architecture
Installed by: Lanzetti

We only work with ecologically sustainable materials.

Sebastien Beguinot from Lanzetti

FX.12 FAÇADE PANEL

Vibrant light and shade effects

PREFA's FX.12 façade panels are innovative design elements which enable particularly futuristic surfaces to be created with their geometric designs. The appearance differs depending on how the light falls, making every building unique.
The use of two different panel dimensions (small and large) further enhances the asymmetrical, one-of-a-kind look.

TECHNICAL DATA — FX.12 FAÇADE PANEL

- **Material**
  coil-coated aluminium, 0.7 mm thick
- **Dimensions**
  700 × 420 mm (cover), i.e. 3.4 pc./m²
  1,400 × 420 mm (cover), i.e. 1.7 pc./m²
- **Weight**
  approx. 2.4 to 2.5 kg/m²
- **Supporting substrate***
  on fully boarded substrate or skip sheathing (at least 24 mm thick)
- **Standard fastening**
  direct, with 3 PREFA ring shank nails
  per small FX.12 façade panel,
  with 5 PREFA ring shank nails
  per large FX.12 façade panel
  (i.e. approx. 8–10 PREFA ring shank nails per m²)

* Observe national regulations and guidelines.

PREFALZ AND FALZONAL®

Complex challenges
meet simple solutions.

Product: PREFALZ
Colour: P.10 PREFA white
Location: Corvara in Badia (Italy)
Architectural design: Claudio Luechin & architetti associati
Installed by: Unionbau AG

FIND OUT EVEN MORE HERE.

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PREFALZ AND FALZONAL®

A combination of malleability, elegance and infinite design possibilities

PREFALZ offers numerous possibilities in terms of colour and shape. Thanks to the aluminium material, it is more supple than most comparable folding materials and therefore particularly easy to form. PREFALZ offers planners countless individual design possibilities that would barely be conceivable with any other material. Folds and bends won't affect the paint quality at all. PREFALZ is supplied in a total of 19 colours and in plain aluminium with a smooth or stucco surface, as required.

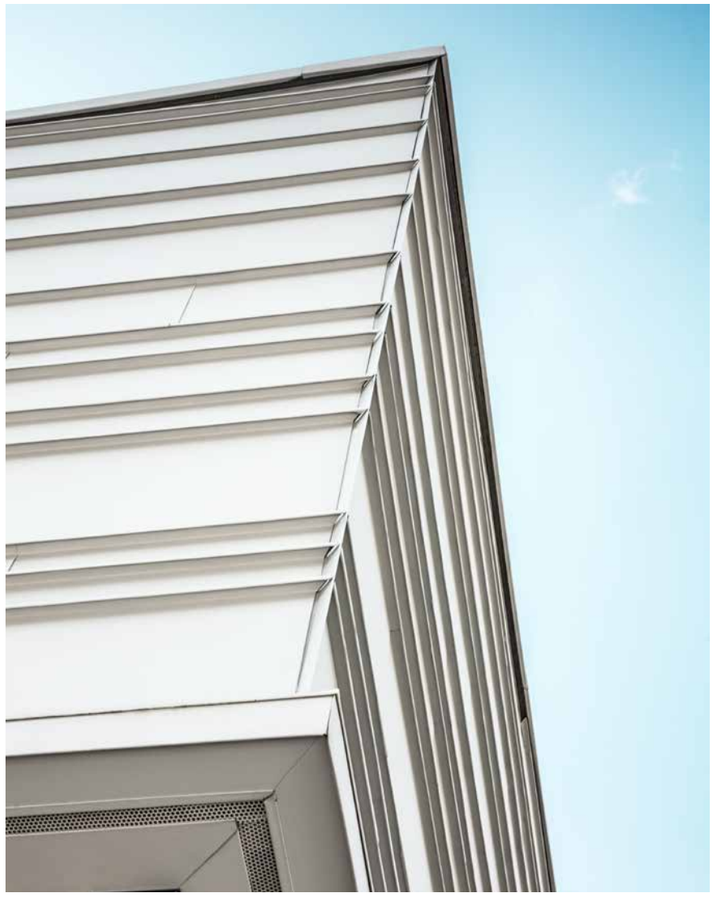
In terms of alloy, strength and coating, FALZONAL®, the colour aluminium strip, has been specially tailored for applications using sheet metal techniques. It is perfectly suited to the widest variety of folding techniques and can be individually combined with materials such as wood and glass. The material is easy to work with and at the same time is highly resilient.

TECHNICAL DATA — PREFALZ AND FALZONAL®

- **Material**
  coil-coated aluminium, 0.7 mm thick
- **Dimensions**
  PREFALZ for façades: 0.7 × 500 mm
  complementary coil: 0.7 × 1000 mm
  FALZONAL® 0.7 × 600 mm
  complementary coil: 0.7 × 1200 mm

- **Weight**
  approx. 1.89 kg/m²
  actual consumption with PREFALZ 500: approx. 2.3 kg/m²
  actual consumption with FALZONAL® 600: approx. 2.19 kg/m²
- **Supporting substrate***
  on fully boarded substrate (at least 24 mm)
- **Fastening***
  PREFA preformed fixed and long sliding clips (stainless steel) according to static requirements

* Observe national regulations and guidelines.



External observers must be able to recognise a modern and innovative army by contemporary architecture.

Claudio Lucchin | architetti associati

SIDING

Pure aesthetics – length x width

Product: siding
Colour: P.10 brown, custom colour beige-grey
Location: St. Nikolai ob Draßling (Austria)
Architectural design: planconsort ztgmbh
Installed by: Josef Kleissner GmbH

FIND OUT EVEN MORE HERE.

uk.prefa.com/reference-buildings

SIDING

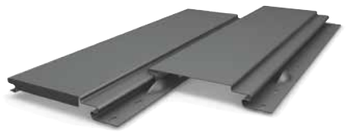
The intelligent façade solution offers countless possibilities.

Façade cladding, soffits and much more — with PREFA sidings, buildings can be cleverly embellished, modernized and preserved for decades. These attractive all-rounders can be installed outdoors as well as indoors and can be laid vertically, horizontally or at an angle, with or without a shadow gap. Practical corner sidings ensure a smooth-flowing exterior. The concealed fastening (via a tongue and groove system) guarantees a strong hold and an attractive appearance.

The PREFA façade sidings are screwed onto a sub-structure framework made of timber or metal, or a combination of the two materials, with a ventilation gap in accordance with national standards. The combination of rainscreen cladding system, a structural wall (masonry) and thermal insulation ensures optimum thermal and sound insulation properties.

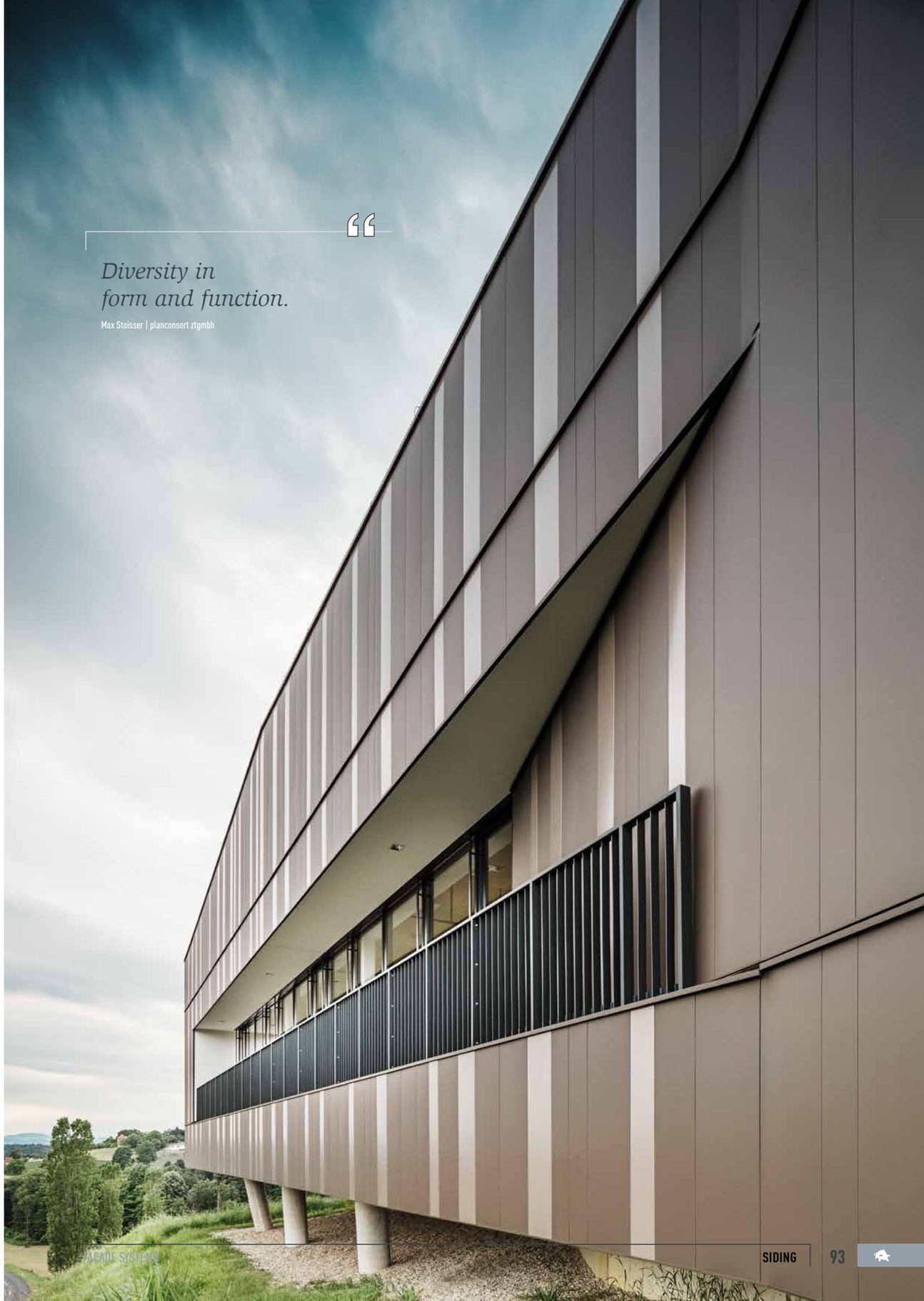
TECHNICAL DATA – SIDING

- Material
  coil-coated aluminium
  smooth finish, stucco or lined
  with or without a shadow gap
- Dimensions (visible width × material thickness)
  138 × 0.7 mm
  200 × 1.0 mm
  300 × 1.2 mm
  400 × 1.2 mm
  500 × 1.5 mm
  600 × 1.5 mm



- Weight
  approx. 3.3 to 5.14 kg/m²
  (depending on the visible width and material thickness)
- Lengths
  for visible widths 138 – 400 mm (22 mm profile depth):
  500 – 2500 mm for all visible widths
  (with PREFA joint)
  500 – 6200 mm for all visible widths
  (without PREFA joint)

  for visible widths 500 – 600 mm (32 mm profile depth):
  700 – 2500 mm for all visible widths
  (with PREFA joint)
  700 – 3500 mm for all visible widths
  (without PREFA joint)
- Fastening
  screwed to the aluminium, steel or timber supporting substrate
  fasteners: 6 – 9 pcs./m²,
  PREFA storm-proof clip required for 400 × 1.2 mm,
  500 × 1.5 mm and 600 × 1.5 mm



Diversity in form and function.

Max Stoisser | planconsort ztgmbh

PERFORATED SIDING

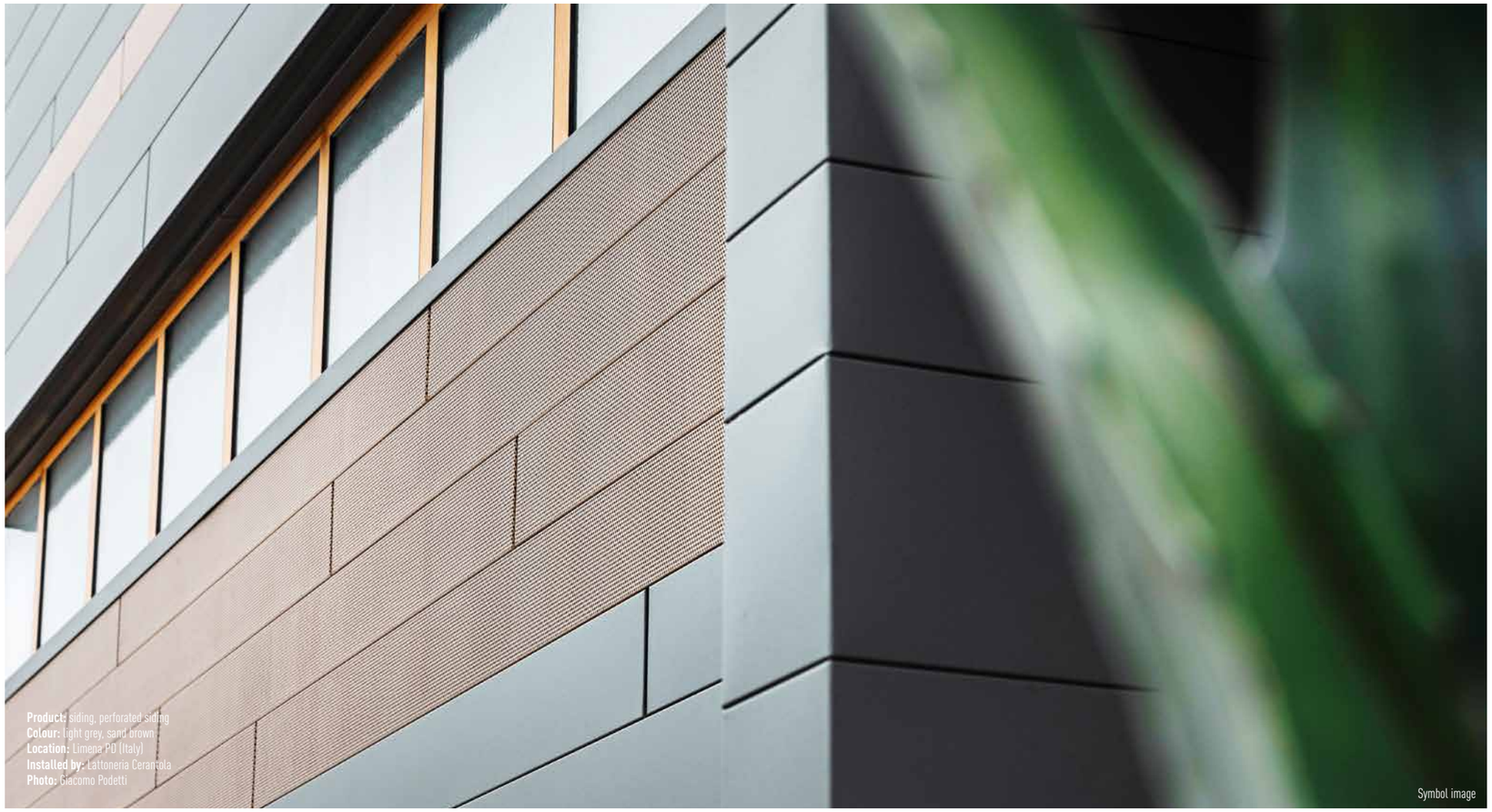
Versatile design options

With the perforated sidings, we rely on the further development of a tried-and-tested product, which is now available to order as a standard product. The perforated sidings are a versatile design element and are suitable for use in façade areas, as privacy screens in staircases and parking garages, or for covering window openings, and much more.

The Rv5/8 hole pattern provides a homogeneous and attractive design. The perforated sidings are available with a stop end, but only without a shadow gap, in the visible widths 138 × 1.0 mm, 200 × 1.0 mm, 300 × 1.2 mm, 400 × 1.2 mm.
Please note: No individual hole patterns or special widths are possible. The minimum order quantity per colour and width is 50 m².

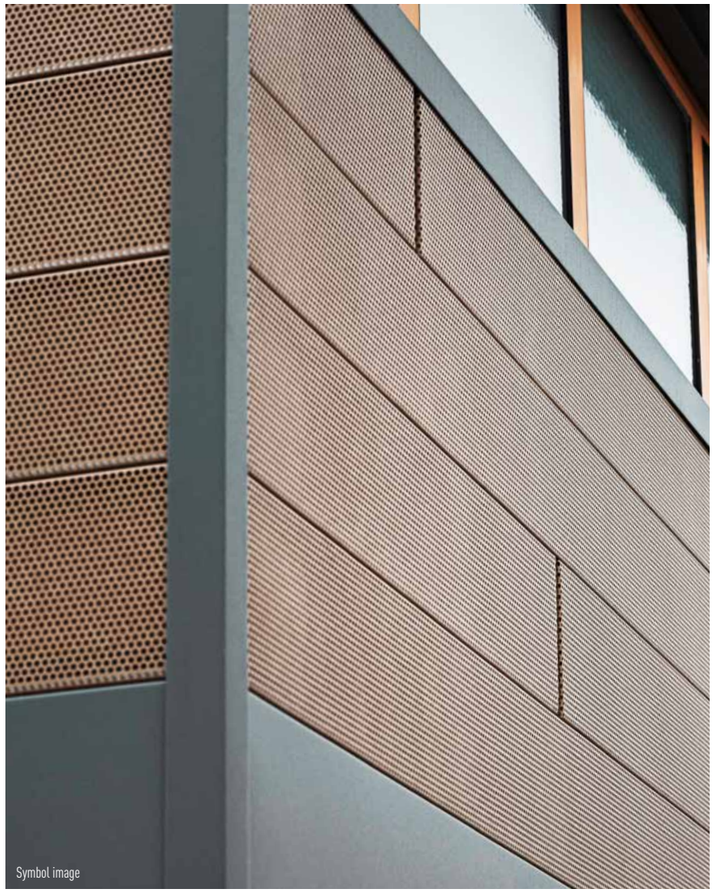
TECHNICAL DATA – PERFORATED SIDING

- **Material**
  coil-coated aluminium
  smooth surface, without a shadow gap
- **Dimensions (visible width × material thickness)**
  138 × 1.0 mm
  200 × 1.0 mm
  300 × 1.2 mm
  400 × 1.2 mm
- **Weight**
  approx. 3.02 to 3.98 kg/m²
  (depending on the visible width and material thickness)
- **Lengths**
  500 – 2500 mm for all visible widths
  if using the PREFA joint
  (the PREFA joint is not perforated)
  500 – 6200 mm for all visible widths
  (without using the PREFA joint)
- **Fastening**
  screwed to the aluminium, steel or
  timber supporting substrate
  fasteners: 6 – 9 pcs/m²
  PREFA storm-proof clip required for 400 × 1.2 mm



Product: siding, perforated siding
Colour: light grey, sand brown
Location: Limena PD (Italy)
Installed by: Lattoneria Ceramola
Photo: Giacomo Podetti

Symbol image



Symbol image

SIDING.X

Corners and edges in the most beautiful nuances

Product: Siding.X, square downpipe
Colour: P10 anthracite, bronze
Location: Wippenham (Austria)
Architectural design: VPVH GmbH
Installed by: VPVH GmbH

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SIDING.X

Brilliant solutions that convince right across the board

A new variant — the PREFA siding.X has now been added to the original PREFA siding model. Characterized by geometrical, crisscross patterns, the PREFA siding.X offers an even more distinctive and modern look. At the same time, excellent constructional and functional properties can be achieved. With the large selection of 19 standard colours, each building can either be completely immersed in the colour of your choice, or individual colour highlights can be created. Like the PREFA siding, the PREFASiding.X is also designed as a rainscreen and, in the overall system, which includes rainscreen support system, insulation and masonry, it ensures excellent thermal and sound insulation properties inside the building.

TECHNICAL DATA – SIDING.X

- **Material**
  coil-coated aluminium
  smooth finish, with or without a shadow gap
- **Dimensions (visible width × material thickness)**
  138 × 1.0 mm
  200 × 1.0 mm
  300 × 1.0 mm
  400 × 1.0 mm
- **Weight**
  approx. 3.3 to 4.6 kg/m²
  (depending on the visible width and material thickness)
- **Lengths**
  500 – 2500 mm for all visible widths
  (with PREFA joint)
  500 – 6200 mm for all visible widths
  (without PREFA joint)
- **Fastening**
  screwed to the aluminium, steel or timber supporting substrate
  fasteners: 6 – 9 pcs/m²
  For the dimensions 300 × 1.0 mm and 400 × 1.0 mm, the PREFA storm-proof clip must be used

PREFABOND
ALUMINIUM COMPOSITE PANEL

Aesthetics take shape. Any shape.

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Product: PREFABOND aluminium composite panel
Colour: P.10 black
Location: Olomouc (the Czech Republic)
Architektur: atelier-r
Installed by: OHL ŽS+STRABAG

PREFABOND ALUMINIUM COMPOSITE PANEL

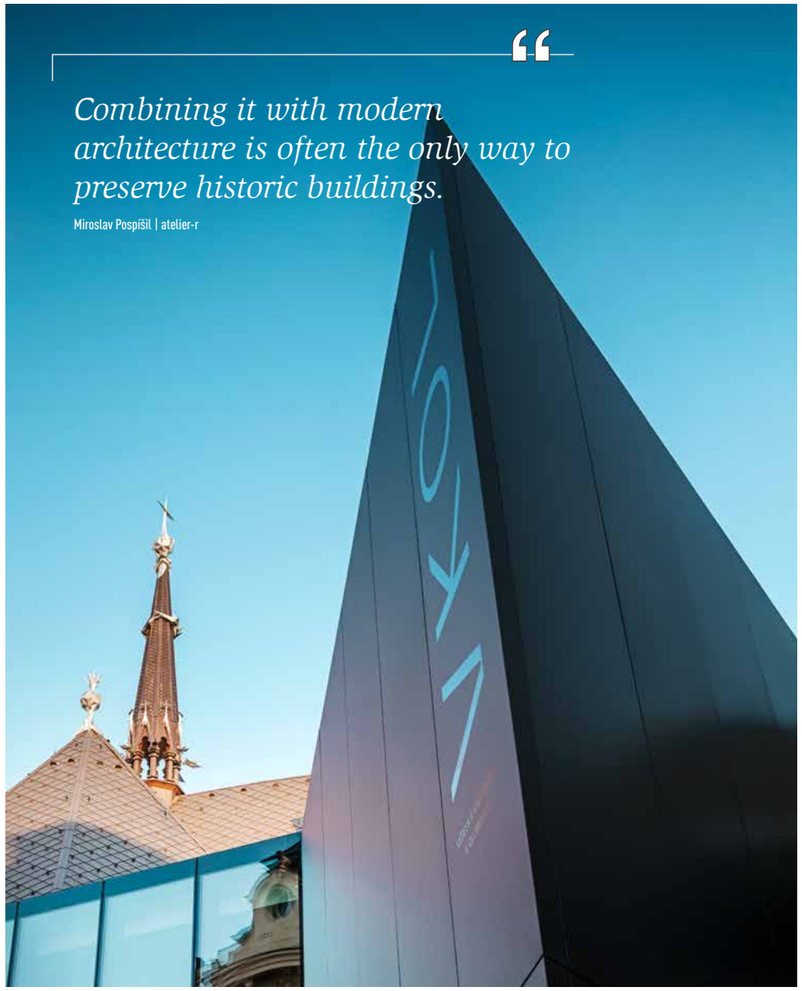
A modern, plain appearance even on small-scale projects

The PREFABOND aluminium composite panel is the ideal façade cladding not only for large areas, but also for small ones — it not only looks great but is also extremely durable thanks to a special combination of materials.
The PREFABOND aluminium composite panel consists of two aluminium sheets which are fusion-bonded to both sides of a FR core.

TECHNICAL DATA — PREFABOND ALUMINIUM COMPOSITE PANEL

- **Material**
  coil-coated aluminium (front), FR core (fire retardant)*, aluminium with protective paint (reverse)
- **Coating**
  high-quality coil-coating finish
  front: Duragloss® 5000 or P.10, reverse: protective paint
- **Dimensions**
  4010 × 1535 × 4.0 mm
  usable format: 4000 × 1525 × 4.0 mm
  Other formats and processing options
  (cutting, milling, drilling) possible on request.
- **Weight**
  approx. 7.6 kg/m²
- **Fastening**
  on timber supporting substrate: screwed down or glued
  on aluminium supporting sub-structure: riveted, screwed or glued according to static requirements

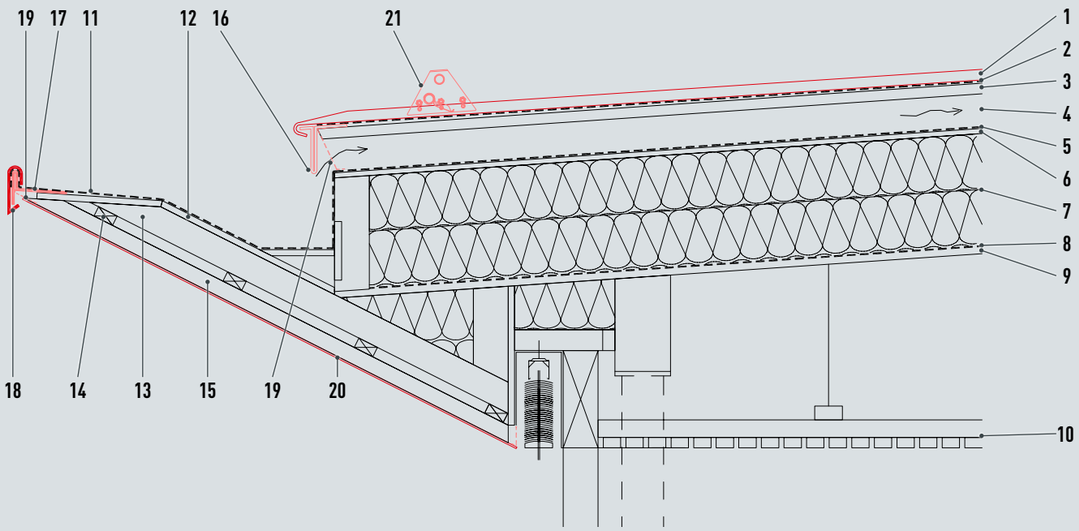
* A2 core on request



> *Combining it with modern architecture is often the only way to preserve historic buildings.*
>
> Miroslav Pospíšil | atelier-r

BUILDING-RELATED SPECIAL SOLUTION

Soffit – roof transition



1 PREFALZ double-lock standing seam
2 separation layer
3 fully supported substrate
4 counter battens (ventilation cavity)
5 underlay
6 MDF board with underlay function
7 WD mineral wool / 2 × 16 cm
8 vapour barrier
9 OSB board
10 suspended wooden ceiling
11 single ply gutter waterproofing
12 3-layerplywood
13 wood batten
14 batten
15 aluminium supporting sub-structure
16 patent starter strips
17 retaining strips
18 fascia cladding
19 perforated sheet
20 PREFABOND
21 seam clamp

Product: PREFABOND aluminium composite panel, PREFALZ
Colour: bronze
Location: Sierning (Austria)
Architectural design: ARKFORM ZT GmbH
Installed by: Dach Zach

EXTRUDED PROFILES

Where long-term stability and a beautiful appearance are required.

Product: ripple profile
Colour: black grey
Location: Freiburg (Germany)
Architectural design: Weissenrieder Architekten BDA
Installed by: Bruno Kaiser

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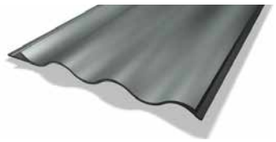
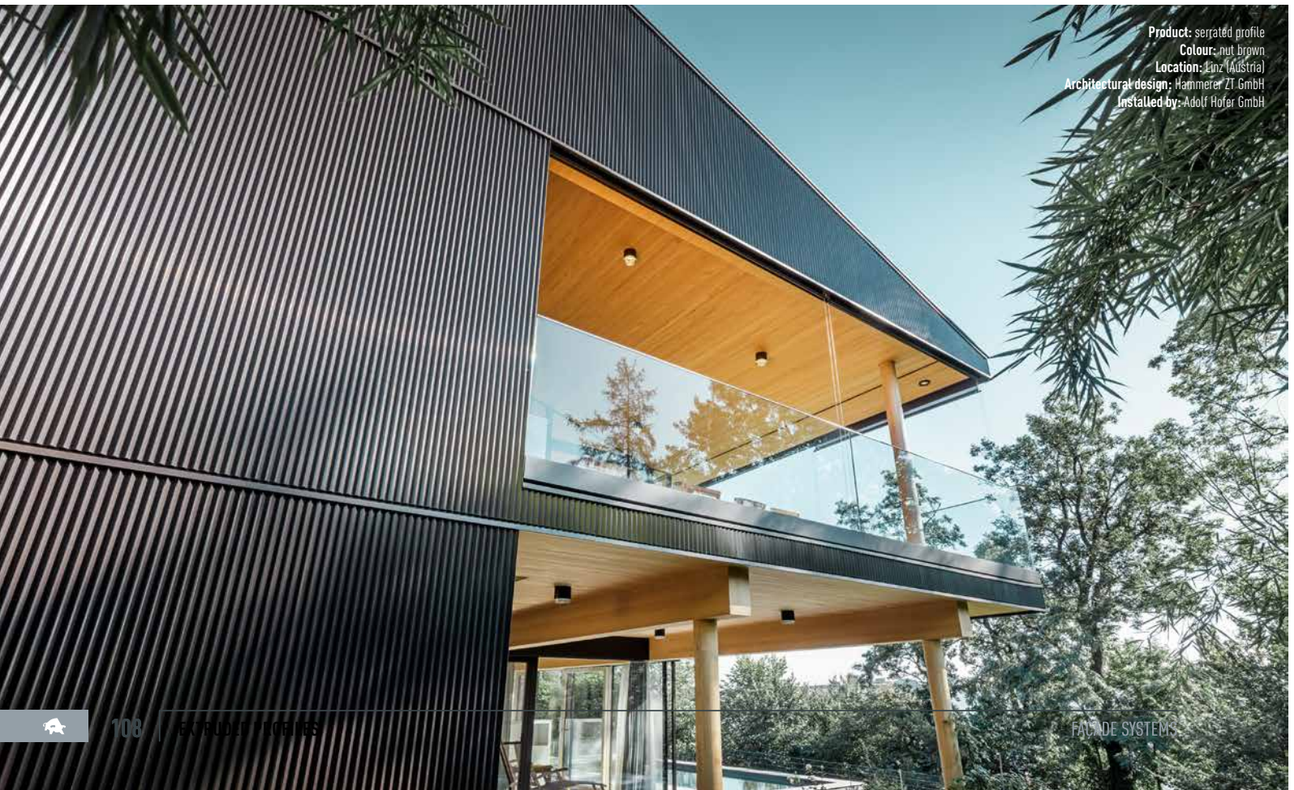
EXTRUDED PROFILES

Robust design on large façade areas

PREFA RIPPLE PROFILE
The PREFA ripple profile, made of 2 mm-thick strong extruded aluminium alloy, ensures the highest shape retention and superior weather-resistance even under extreme strain. The fine material structure and concealed fastening create an elegant appearance — the ideal material for architectural projects designed to last for generations.

The profiles are available in customizable lengths of up to 6.2 m and can be installed horizontally, vertically or diagonally. The range of accessories with starter, closing and corner profiles ensures easy, trouble-free installation.
The ripple profile is available powder-coated or uncoated (anodizable material).





PREFA SERRATED PROFILE
The PREFA serrated profile is a modern façade profile made of extruded aluminium — the ideal combination of technology and architectural design. Due to the profile thickness of 2 mm, the profiles are extremely robust and unbreakable and can also cover sensitive areas on the building permanently and durably. Quick and easy mounting is possible in a horizontal, vertical or inclined position, without visible fasteners.

The serrations create a unique design with an interesting interplay of light and shadow. They are available powder-coated or uncoated (anodizable material). Individually cut to length and available in a wide choice of colours with a powder-coated finish — the design possibilities are endless.

TECHNICAL DATA — EXTRUDED PROFILES

- **Material**
  extruded aluminium alloy
- **Dimensions** (profile height/spacing/material thickness)
  ripple profile: 10/47/2.00 mm, visible width: 140 mm
  serrated profile: 22/40/2.00 mm, visible width: 200 mm
- **Weight**
  ripple profile: 6.6 kg/m²
  serrated profile: 7.5 kg/m²
- **Standard fastening**
  with concealed screws according to static requirements
- **Finish**
  uncoated (anodizable material) or powder-coated
  (Powder coating in P.10 quality is not feasible.)
- **Lengths**
  panel lengths: 250 mm – 6200 mm

Product: serrated profile as balcony cladding
Colour: black
Location: St. Johann im Pongau (Austria)
Architectural design: Planwerk Eben GmbH
Installed by: Alois Perwein GmbH

TWO MATERIALS FOR IDEAL BALCONY CLADDING

PREFA extruded profiles (serrated profile and ripple profile) and PREFABOND aluminium composite panel

PREFABOND aluminium composite panel, serrated profile and ripple profile have been tested in accordance with the requirements of the ETB Directive (hard and soft impact) and thus can also be designed as balcony cladding.

The extruded profiles from PREFA are extremely robust and unbreakable due to their profile thickness of 2 mm, and can also be used to cover sensitive areas on the building permanently and durably.

The high-quality surface coating of the PREFABOND aluminium composite panel protects the material against climatic influences for decades and is also extremely colour-resistant and dirt-resistant.

For more information, see uk.prefa.com/product-catalogue

Request a PREFABOND folder now at:
uk.prefa.com/order-free-brochures

A MATERIAL THAT PROVES ITS STRENGTHS IN EVERY DISCIPLINE

Today, aluminium is used in almost every area of architecture, from roofs and façades to load-bearing structures, and from windows and doors to interior design. The construction industry processes over 500,000 tonnes of aluminium every year. Thanks to its robust, resistant and extremely long-lasting material properties, aluminium meets all the functional and quality requirements of the building industry. It is lightweight, stable, rust-free and can be recycled without any loss of quality.

However, the main advantage of aluminium is its fascinating malleability. Even in low temperatures, the material can be processed very well.

OBTAINING PRIMARY AND SECONDARY ALUMINIUM

Primary aluminium is the term describing the aluminium that is initially produced from aluminium oxide. In turn, aluminium oxide is extracted from bauxite (an aluminium-rich sedimentary rock). Primary aluminium is pure aluminium and the raw material for producing aluminium alloys.

Secondary aluminium, on the other hand, is recycled aluminium recovered from scrap metal. Aluminium can be fully recycled again and again without any loss of quality. So we can say that aluminium is not “consumed” but rather “used”. Only a fraction of the energy required to produce primary aluminium is needed to produce secondary aluminium. Today, the aluminium used in the building industry is largely recycled and reused. Secondary aluminium is also the material that PREFA mainly uses to produce its aluminium products.
uk.prefa.com/questions-and-answers

THIS GLISTENING MATERIAL BOASTS BOTH EFFICIENCY AND BEAUTY

Expert Jörg H. Schäfer, Head of Recycling and Sustainability at Aluminium Deutschland e.V., knows all about aluminium’s excellent properties. He thinks the material is unrivalled in terms of its functionality, value retention, structural aesthetics and resource efficiency.

> *It is precisely because of its aesthetics that it’s so popular in the design sector.*
>
> Jörg H. Schäfer | Head of Recycling and Sustainability at Aluminium Deutschland e.V.

‘It’s all about the value that aluminium brings to architecture,’ Jörg H. Schäfer explained.

“The favourable strength-to-weight ratio enables lightweight, intricate structures to be created which not only offer enormous freedom in design but are also extremely robust. With a specific weight of 2.7 grammes per cubic centimetre, aluminium is the lightest metal for buildings compared to copper, iron and zinc.’

Product: siding X
Colour: P.10 anthracite
Location: St. Michael in der Obersteiermark (Austria)
Installed by: Steinberger Dach GmbH

RAINSCREEN

Explanation

It's not without good reason that the façade cladding system known as the "rainscreen" or "ventilated façade" has been used for centuries in harsh climates.

A characteristic feature of the rainscreen is the optimal separation of the weatherproof outer layer and the insulated supporting structure.

Any moisture is channelled through this cavity, ensuring a comfortable indoor climate.

Further major advantages of the rainscreen system are the virtually limitless creative freedom that it offers, and the particularly long service life that it brings to façades.

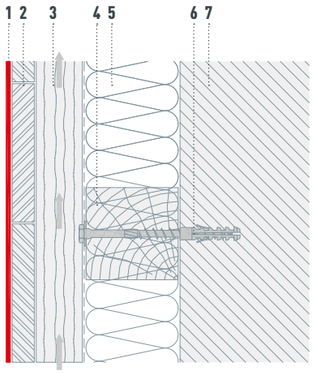
Function

Basically, the rainscreen cladding system consists of four components: the supporting structure, thermal insulation, the supporting substrate and the rainscreen itself.

The thermal insulation reduces heat flow from the inside to the outside and vice versa, while also acting as sound insulation. In addition, the thermal insulation, which is generally made of mineral materials, varies in thickness (depending on the thermal performance to be achieved), and is protected from external weather conditions by the façade cladding.

The supporting substrate forms the connection between the supporting structure and the façade cladding. A metal supporting substrate makes it possible to compensate for any unevenness in the supporting structure in a way which is free of stress and in the long term.

1 cladding element
2 fully supported substrate
3 Counter batten – ventilation gap
4 Nogging piece
5 Insulation
6 Fastener driven into the supporting structure
7 Anchor base



The rainscreen cladding system serves, on the one hand, to protect the wall structure from the rain and weather and, on the other, as a design element on new builds and renovated properties.

Product: roof shingle, PREFALZ
Colour: metallic silver
Location: Vienna (Austria)
Architectural design: P.GOOD Praschl-Goodarzi Architekten ZT GmbH
Installed by: Zimmermann GmbH / Lieb Bau Weiz GmbH & Co KG

ATTIC CONVERSION

Helpful guide for special projects

Building physics is an essential component in the planning and design of roof construction. For the creation of a functioning roof structure, the most diverse materials and trades must be coordinated.

In this guide, the normative and technical basics for the planning and design of attic conversions are clearly summarised.
Request it now at uk.prefa.com/architects-and-planners

ROOF STRUCTURE

Aluminium roofs with a ventilated supporting substrate

Ventilated roof structures have been used for many decades and have proven themselves in all climatic conditions. That's why PREFA recommends constructing aluminium roofs with a ventilated supporting substrate. The roof covering and thermal insulation layers are separated by a ventilated gap. The advantage of this is that any moisture that may occur, e.g. due to condensation or moisture caused by occupancy diffusing from the interior rooms, is removed again. In principle, the roofbuild up is ventilated (see Fig. 1). However, the entire attic can be ventilated too (see Fig. 2).

Figure 1

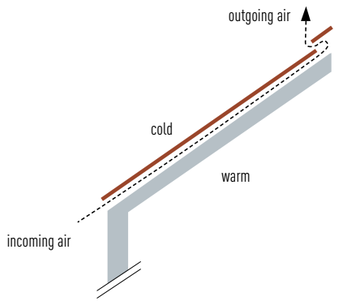
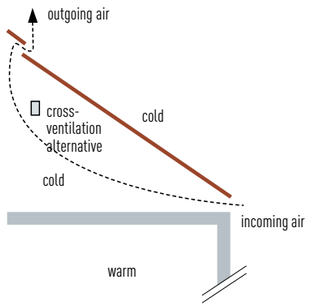
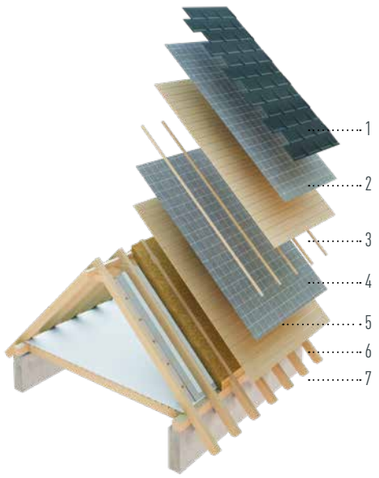


Figure 2



ATTIC CAN ALSO BE USED AS LIVING SPACE.

Compared to a single-skin roof structure, a ventilated channel is added to the double-skin roof structure (counter battens). This makes it possible to also thermally insulate between the rafters (straightforward creation of an attic extension at a later stage).

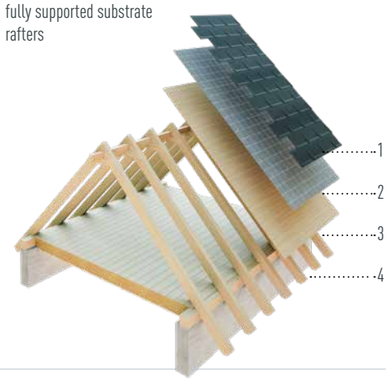


1. Roof covering
2. separation layer
3. fully supported substrate
4. counter battens
5. roof underlay
6. fully supported substrate
7. rafters

THE ATTIC IS NOT USED AS LIVING SPACE

With this type of roof structure, the attic ceiling must be thermally insulated (complicated creation of an attic extension at a later stage).

1. Roof covering
2. roof underlay
3. fully supported substrate
4. rafters

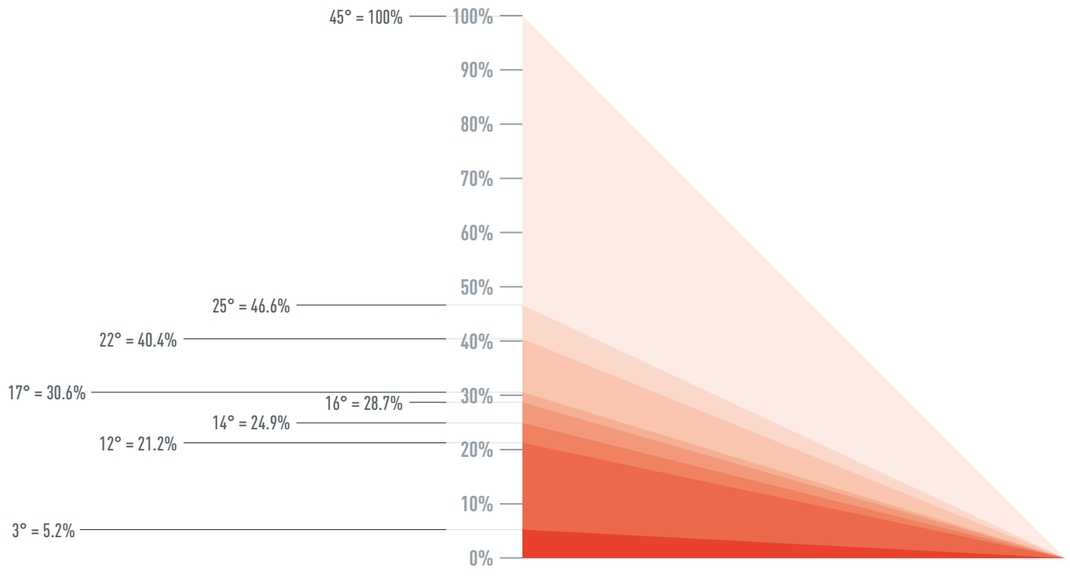


- The roof structure must be designed according to building physics criteria (e.g. thermal insulation, airflow).
- The arrangement and dimensioning of the air inlet and outlet vents must be planned and implemented according to building physics requirements.
- Non-ventilated structures should be designed as a special solution and planned separately.
- The need and requirements for the underlay according to national standards and specialist guidelines must be taken into account.

ROOF PITCH

Minimum roof pitch

		≥ 3° *	≥ 5° *	≥ 7°	≥ 12°	≥ 14°	≥ 16°	≥ 17°	≥ 22°	≥ 25°
ROOF TILE					rafter length: < 7 m					
						rafter length: 7–12 m				
							rafter length: > 12 m			
R.16 ROOF TILE								Up to 25°: only with a bituminous separation layer		
ROOF SHINGLE										From 25°
DS.19 ROOF SHINGLE								Up to 25°: only with a bituminous separation layer		
RHOMBOID ROOF TILE 29×29									From 22°	
RHOMBOID ROOF TILE 44×44					rafter length: < 7 m					
						rafter length: 7–12 m				
							rafter length: > 12 m			
FX.12 ROOF PANEL								up to 25°: only with a bituminous separation layer		
PREFALZ				* Restrictions, deviations and additional measures according to national standards and specialist guidelines and PREFA's installation instructions must be taken into account.						



SNOW GUARD SYSTEM

SNOW GUARD

Suitable snow guards exist for all small-format PREFA roof products. They are distributed over the entire roof surface to prevent snow from slipping off. The number of snow guards required and the way in which they are arranged depends on the potential snow load and the roof pitch.

REMOVABLE PIPES FOR THE PIPE-STYLE SNOW GUARD SYSTEM

The PREFA pipe-style snow guard system can be used on roof tiles, R.16 roof tiles, roof shingles, DS.19 roof shingle, rhomboid roof tiles and FX.12 roof panels. The greatest advantage of the pipe-style snow guard system is that it is easy to install. The pipe-style snow guard system can also be retrofitted and is available in all standard colours.

XL HOOK – ADDITION FOR THE SNOW GUARD SYSTEM OF SMALL-FORMAT ROOF PRODUCTS

Based on the tried-and-tested snow guard system, the XL hook has two additional pull-through openings. This increased visible height compensates for the usual installation height of roof-parallel energy generation systems on small-format PREFA roof coverings. This original accessory is suitable as a snow guard system for roofs with energy generation systems parallel to the roof.
The pipe-style snow guard system can also be retrofitted and is available in all standard colours.

SEAM CLAMPS

The snow guard system for clamping on to double-lock standing seams (PREFALZ and FALZONAL®) offers maximum security and has no influence on the expansion of the roof covering. Ribbing gives the system a better grip on the seam and delivers high static values. The PREFA seam clamp is available in three different versions.

simple

with oblong hole

double

MOUNTAIN SNOW GUARD

Logs are inserted into the supports of the mountain snow guard, giving them a rustic look. The system can either be combined with snow guards — in which case, only one row of mountain snow guards is used on the eaves — or it can be arranged in several rows, with PREFA calculating the requirements accordingly. The hooks on the mountain snow guard have excellent static values, and the system is attached on the PREFA small-format products via the tried and tested mounts.

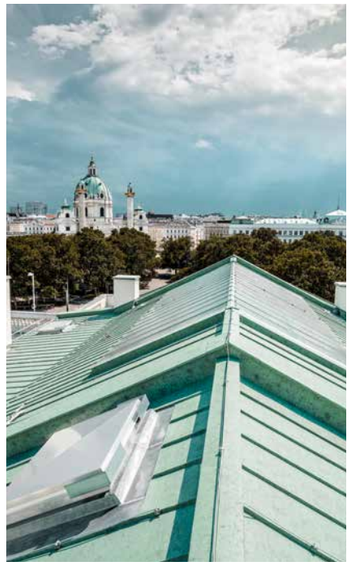
mountain snow guard bracket

Product: rhomboid roof tile 29×29
Colour: P.10 anthracite
Location: Humenné (Slovakia)
Architectural design: Ing. Mirostava Kasaňová - Atelier VK
Installed by: KOTP s.r.o. - Ing. Branislav Jelúš

MONUMENT PROTECTION

Strong roofs and façades for historical jewels

More and more heritage buildings are protected with PREFA products made of weather-resistant aluminium for good reason. This is due to the fact that PREFA roofs, façades and accessories are weather-resistant, rust-free, unbreakable, storm-proof and particularly light. In addition, the supple material also adapts ideally to angled building structures. In short, a PREFA roof protects historic buildings sustainably and preserves architectural values for future generations.



COMMERCIAL BUILDING PROJECTS

Architecturally unique landmarks – durable and rust-free

PREFA roof and façade systems are the perfect choice to give your commercial project a unique design in addition with a high quality and functionality - and that for generations ! When building new buildings or renovating public buildings such as municipal offices, schools, kindergartens, fire stations, museums, churches, hospitals, funeral homes and much more, PREFA's high-quality roof and façade solutions offer almost unlimited design freedom.

The wide variety of products and colours enables designers of municipal building projects to create architecturally unique landmarks for their builders and clients. Municipal decision-makers benefit from opting for a PREFA roof or a PREFA façade in several ways because: aluminium is lightweight, durable, rust-free, 100% recyclable and has a reference useful life of over 70 years.

MADONNA IMMACOLATA CAPITANA DA MAR KIRCHE JESOLO: PREFALZ ROOF IN PATINA GREY

Visually characterised by the waves of the sea and the shape and design of Venetian gondolas, a church building of highly complex construction and a wide variety of materials was created.

PFARRZENTRUM SIERNING: PREFALZ ROOF AND PREFABOND FAÇADE IN BRONZE

An all-round successful ensemble of old and new was achieved with the building of the new FOKUS parish centre. The bronze-coloured façade made of PREFABOND aluminium composite panels matches well with the sandstone colour of the parish church.

VIENNA UNIVERSITY OF ECONOMICS AND BUSINESS: ALUMINIUM COMPOSITE PANEL (PREFABOND) IN JET BLACK

The façade of the Vienna University of Economics and Business was clad with jet black PREFA composite panels made of aluminium. The modern building is eye-catching due its unusual appearance.

KITA NIEDERWERRN: PREFALZ IN P.10 PURE WHITE

In three tray widths – 25 cm, 33 cm, 50 cm – the kindergarten was given a PREFALZ shell that runs over the facades and roofs of the three buildings.

LE PYTHON GRENOBLE: RHOMBOID FAÇADE TILE 20 × 20 IN P.10 ANTHRACITE, P.10 LIGHT GREY, PLAIN ALUMINIUM AND METALLIC SILVER

The “snake house” with its eye-catching façade cannot be missed. Its impressive appearance exudes a special radiance.

> *It is therefore all the more important for the top part of the building shell to act as a kind of lightning conductor.*
>
> Roman Tröstl | PREFA technical department

LIGHTNING PROTECTION

According to standards, PREFA products are "natural" components of an arresting device.

No other weather phenomenon impresses us as much or instils such great respect in us as a thunderstorm. To be able to enjoy the natural spectacle of lightning and thunder without fearing for the safety of your building, appropriate protection must be provided.

THE TOP PART OF THE BUILDING SHELL ACTS AS A KIND OF LIGHTNING CONDUCTOR

High-quality aluminium roofs such as those made by PREFA play an important role in this respect. If lightning is going to strike a building, it usually does so at exposed locations, i.e. wherever higher corners and edges protrude. It is therefore all the more important for the top part of the building shell to act as a kind of lightning conductor.

NATURAL COMPONENT OF THE SYSTEM

According to the standard EN 62305-3, metal roofs are a "natural" component of a lightning protection system. PREFA coil materials (PREFALZ and FALZONAL®) are permitted for use as a natural component of the arresting device, and PREFA small-format products (roof tiles, roof shingles, roof panels and rhomboid roof tiles) as a natural component of the discharge (mounting of an additional arresting device and connection to earth).

ASSESSED ACCORDING TO STANDARDS

Information about the need for, and type of, lightning protection system required by a building can be obtained from a lightning protection system manufacturer or a qualified electrician, authorised both for the installation, and for the legally stipulated acceptance of the lightning protection system. Also ask around in your local community about any additional provisions which depend on the specific location.

The suitability of PREFA products as natural components of a lightning protection system must therefore be assessed on a project-specific basis in accordance with the standards to be taken into account.

roof conductor holder for lightning protection wire

ROOF SAFETY

Roof safety is a top priority for PREFA.

Carrying out work on roofs is one of the most dangerous construction activities that exists. That's why roof safety is a top priority for PREFA. Various, technically well-thought-out elements support skilled workers during assembly and repair, as well as the owners when cleaning, and ensure professional protection.

ROOF ANCHOR HOOK SDH

The roof anchor hooks on mounts, which have been tested in all fall directions, are suitable for all small-format PREFA products. The mount enables easy installation. The roof anchor hooks have also been tested for mounting on above-rafter insulation. Suitable roof anchor hooks are also available for clamping on to the standing seams of double-lock standing seams.

roof anchor hook for small-format products

SAFETY TREADS, WALKWAYS AND WALKWAY SUPPORTS

Safety treads, walkways and walkway supports are designed to enable roofers to move about safely on the roof covering. They are mostly used when there are technical installations on the roof surface which need to be accessed regularly. For example, for the purpose of performing maintenance on solar panels and solar thermal systems or to provide access for a chimney sweep to carry out inspections. The tried and tested mounts are used for the walkways and safety treads for PREFA small format products. In the case of the walkway supports for PREFALZ, the supports are clamped on to the seals.

safety tread

PREFA'S GUARANTEE COMMITMENT

Highest quality, produced in Austria and Germany

The weather forecast for the next 40 years is approximately 75,000 hours of sunshine and 35,000 litres of rain per square metre. Decidedly — choosing PREFA is the right decision. Because only PREFA provides a colour and material guarantee of up to 40 years on roofs and façades. This provides you with optimum protection against breakage, corrosion (rust), frost damage, chips and blistering.

HOW IS PREFA ABLE TO OFFER SUCH A POWERFUL GUARANTEE?

Because PREFA aluminium roofs and façades are absolutely high-tech products, **exclusively produced in Austria and Germany**. Every PREFA product must be installed by a specialist company.

40 YEARS — PREFA EVEN GIVES IT IN WRITING

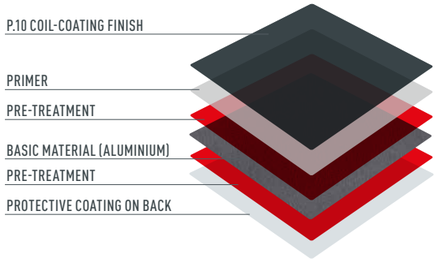
The guarantee only enters into force with a successfully issued guarantee certificate. This can be requested for free from the PREFA website. The terms and conditions are stated in the guarantee certificate along with the delivery date. You will find more information about the material and colour guarantee at uk.prefa.com/guarantee.

* The colour guarantee ensures that the P.10 painted surface is protected from chips and blistering under the terms specified in the guarantee certificate.

P.10 COLOUR-FAST SURFACE

UV-resistant, colour-resistant and weatherproof

With P.10, PREFA has developed a colour-resistant finish that meets even the highest quality standards. The material withstands external influences and stresses, and is UV-resistant, colour-resistant and weatherproof. At the same time, aluminium is an unbelievably lightweight and stable material, offering a wide range of planning and design possibilities.



FD.TEC FREQUENCY DAMPER TECHNOLOGY

Takes the momentum out of sound.

PREFA's unique FD.TEC frequency damper technology reduces unwanted frequency ranges to a minimum, and prevents certain sound emissions to a large extent. The purpose of the FD.TEC frequency damper strips attached to the back of all small-format PREFA roof elements is to absorb frequencies that can be caused by heavy rainfall.

PREFA COLOUR RANGE

ROOF
SMALL FORMAT PRODUCTS

		~ RAL	Roof tile	R.16 roof tile	FX.12 roof panel	Rhomboid roof tile 29 × 29	Rhomboid roof tile 44 × 44	Roof shingle	DS.19 roof shingle
01	P.10 brown	7013	•	•	•	•	•	•	•
02	P.10 anthracite	7016	•	•	•	•	•	•	•
03	P.10 black	9005	•	•	•	•	•	•	•
04	P.10 brick red	8004	•	•	•	•	•	•	•
05	P.10 oxide red	3009	•	•	•	•	•	•	•
06	P.10 moss green	6005	•	•	•	•	•	•	•
07	P.10 light grey	7005	•	•	•	•	•	•	•
11	P.10 nut brown	8019	•	•	•	•	•	•	•
19	P.10 dark grey	7043	•	•	•	•	•	•	•
28	P.10 prefa bronze [3]	7048	•	•	•	•	•	•	•
43	P.10 stone grey [1]	7031	•	•	•	•	•	•	•

PREFALZ

		~ RAL	0.7 × 500 mm	0.7 × 650 mm	0.7 × 1,000 mm
01	P.10 brown	7013	•	•	•
02	P.10 anthracite	7016	•	•	•
03	P.10 black	9005	•	•	•
04	P.10 brick red	8004	•	•	•
05	P.10 oxide red	3009	•	•	•
06	P.10 moss green	6005	•	•	•
07	P.10 light grey	7005	•	•	•
08	P.10 zinc grey	7030	•	•	•
10	P.10 PREFA white	9002	•	•	•
11	P.10 nut brown	8019	•	•	•
12	metallic silver [3]	9006	•	•	•
13	plain aluminium [1	2]	—	•	•	•
17	P.10 pure white	9010	•	•	•
19	P.10 dark grey	7043	•	•	•
23	black grey	7022	•	•	•
28	P.10 prefa bronze [3]	7048	•	•	•
43	P.10 stone grey [1]	7031	•	•	•
45	bronze [3]	7048	•	•	•
46	P.10 patina green [1]	6027	•		•
47	patina grey [1]	7042	•	•	•

COLOUR RANGE

www.prefa.com/colour

GUTTER ROOF DRAINAGE

		~ RAL	Half-round gutter 250 | 280	Half-round gutter 333	Half-round gutter 400	Box gutter 250	Box gutter 333	Box gutter 400	Box gutter 500	On-roof gutter	Downpipe 80 | 120	Downpipe 60	Downpipe 100	Downpipe 150	Square downpipe 80 | 100*
01	P.10 brown	7013	•	•	•	•	•	•		•	•	•	•	•	•
02	P.10 anthracite	7016	•	•	•	•	•	•		•	•	•	•	•	•
03	P.10 black	9005	•	•	•	•	•	•		•	•	•	•	•	•
04	brick red	8004	•	•			•			•	•		•		
05	oxide red	3009	•	•			•			•	•		•		
06	moss green	6005	•	•	•		•	•		•	•		•		
07	P.10 light grey	7005	•	•	•	•	•	•		•	•	•	•	•	•
08	zinc grey	7030	•	•			•			•	•		•		
10	P.10 PREFA white	9002	•	•	•	•	•	•		•	•	•	•	•	•
11	P.10 nut brown	8019	•	•	•	•	•	•		•	•	•	•	•	•
12	metallic silver [3]	9006	•	•	•	•	•	•			•		•		•
13	plain aluminium [1	2]	—	•	•	•	•	•	•	•	•	•	•	•	•
19	P.10 dark grey	7043	•	•	•	•	•	•		•	•	•	•	•	•
47	patina grey [1]	7042		•			•						•		

* The PREFA square downpipe is kept in stock as standard in the P.10 colours brown, anthracite and light grey. It is also available to order in the colours P.10 black, P.10 PREFA white, P.10 nut brown, P.10 dark grey and in all other RAL colours. Please allow for delivery times and a surcharge.

FAÇADE
SIDING | SIDING.X
PERFORATED SIDING

		~ RAL	Siding 138 mm × 0.7 mm	Siding 200 mm × 1.0 mm	Siding 300 | 400 mm × 1.2 mm	Siding 500 | 600 mm × 1.5 mm	Siding.X 138 | 200 mm × 1.0 mm	Siding.X 300 | 400 mm × 1.0 mm	Perforated sidings 138 mm × 1.0 mm	Perforated sidings 200 mm × 1.0 mm	Perforated sidings 300 | 400 mm × 1.2 mm
01	P.10 brown	7013	•	•	•		•	•	•	•	•
02	P.10 anthracite	7016	•	•	•	•	•	•	•	•	•
03	P.10 black	9005	•	•	•		•	•	•	•	•
04	P.10 brick red	8004	•	•			•	•	•	•	
05	P.10 oxide red	3009	•	•			•	•	•	•	
06	P.10 moss green	6005	•	•			•	•	•	•	
07	P.10 light grey	7005	•	•	•	•	•	•	•	•	•
10	P.10 PREFA white	9002	•	•	•	•	•	•	•	•	•
11	P.10 nut brown	8019	•	•			•	•	•	•	
12	metallic silver [3]	9006	•	•	•	•	•	•	•	•	•
17	P.10 pure white	9010	•	•	•		•	•	•	•	•
19	P.10 dark grey	7043	•	•	•	•	•	•	•	•	•
20	smoke silver [3]	9007		•	•	•	•	•	•	•	•
23	black grey	7022		•	•		•	•	•	•	•
28	P.10 prefa bronze [3]	7048	•	•	•	•	•	•	•	•	•
38	walnut [1]	8025	•	•					•	•	
39	grey oak [1]	7032	•	•					•	•	
40	natural oak [1]	1011		•					•	•	
42	P.10 sand brown [1]	1019	•	•			•	•	•	•	
43	P.10 stone grey [1]	7031	•	•	•		•	•	•	•	•
45	bronze [3]	7048		•			•	•	•	•	
47	patina grey [1]	7042	•	•			•	•	•	•	

FAÇADE
SMALL FORMAT PRODUCTS

		~ RAL	FX.12 façade panel	Rhomboid façade tile 29 × 29 | 44 × 44	Rhomboid façade tile 20 × 20	Façade shingle
01	P.10 brown	7013	•	•	•	•
02	P.10 anthracite	7016	•	•	•	•
03	P.10 black	9005	•	•	•	•
04	P.10 brick red	8004	•	•	•	•
05	P.10 oxide red	3009	•	•	•	•
06	P.10 moss green	6005	•	•	•	•
07	P.10 light grey	7005	•	•	•	•
08	P.10 zinc grey	7030			•	
10	P.10 PREFA white	9002	•	•	•	•
11	P.10 nut brown	8019	•	•	•	•
12	metallic silver [3]	9006	•	•	•	•
19	P.10 dark grey	7043	•	•	•	•
28	P.10 prefa bronze [3]	7048	•	•	•	•
42	P.10 sand brown [1]	1019	•			
43	P.10 stone grey [1]	7031	•	•	•	•

FOR AN EASIER OVERVIEW, ALL NEW COLOURS FOR 2025 ARE INDICATED WITH .

PREFABOND
WITH FR CORE (FIRE RETARDANT)

		~ RAL	4,010 × 1,535 × 4 mm
02	P.10 anthracite	7016	•
03	P.10 black	9005	•
10	P.10 PREFA white	9002	•
11	P.10 nut brown	8019	•
12	metallic silver [3]	9006	•
17	pure white	9010	•
17	P.10 pure white	9010	•
19	P.10 dark grey	7043	•
20	smoke silver [3]	9007	•
23	black grey	7022	•
27	brushed aluminium [1 2]	—	•
28	P.10 prefa bronze [3]	7048	•
44	matt anthracite	7016	•
45	bronze [3]	7048	•
47	patina grey [1]	7042	•

NOTE

GENERAL INFORMATION

1 The colours P.10 stone grey, P.10 sand brown, P.10 patina green, natural oak, patina grey, walnut, grey oak, brushed aluminium and plain aluminium are based on natural colours and therefore vary slightly in shade, giving the product its distinctive character.

2 The guarantee does not cover surface appearance alterations caused by processing and environmental influences. Follow the instructions.

3 The metallic colours may exhibit colour variations.

CAUTION!

- The RAL numbers indicated are only approximations (~) and may, in some cases, differ greatly from the original PREFA colour. They may not be a true reflection of the subjective perception of colour.
- Particularly with the P.10 paint quality, it is difficult to precisely define the number due to the nature of the surface structure. In addition, the colours P.10 stone grey, P.10 sand brown, P.10 patina green, P.10 prefa bronze, natural oak, patina grey, walnut and grey oak are based on natural colours made up of several different shades.

  Therefore, we recommend obtaining original samples so that you can gain an idea of the exact colours of complementary components.

FALZONAL®

Colour group		0.7×600 mm	0.8×600 mm	0.7×1200 mm	0.8×1200 mm
0	weathered clear varnish	•		•	
1	standard pure white	•		•	
	tin grey	•		•	
	zinc grey	•		•	
	matt light zinc	•		•	
	matt light grey	•		•	
	anthracite grey	•		•	
	matt dark grey	•		•	
	anodic brown	•		•	
	victorian brick red	•		•	
	copper brown	•		•	
	coffee brown	•		•	
	reseda green	•		•	
2	light ivory	•		•	
	dusty blue	•		•	
	opal green	•		•	
	grey-green	•		•	
	quartz grey	•		•	
3	pearl white	•		•	
	savannah beige	•		•	
	pastel turquoise	•		•	
	broom yellow	•		•	
	crimson	•		•	
	turquoise blue	•		•	
	mint green	•		•	
	olive green	•		•	
	azure blue	•		•	
	light grey	•		•	
	gentian blue	•		•	
	carbon black	•		•	
4	bright metallic	•	•	•	•
	grey aluminium	•		•	
	light bronze	•		•	
5	new copper	•		•	
	maya gold	•		•	

CUSTOM COLOURS

Custom colours (RAL/NSC) are available for coil-coating-coated products as of a minimum order quantity starting at 1 t (approx. 400 m²; depending on the product and colour, sometimes only as of larger quantities). Longer delivery times and a higher price must be taken into account.

PREFA

AS STRONG AS A BULL

ROOF • FACADE • SOLAR

ALUMINUM

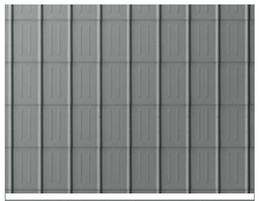
HIGH QUALITY & RECYCLABLE

PREFA PRODUCT RANGE – ROOF AND FAÇADE

ROOF TILE

600 × 420 mm in installed area

≥ 12°



R.16 ROOF TILE

700 × 420 mm in installed area

≥ 17°

DS.19 ROOF SHINGLE

480 × 262 mm in installed area

≥ 17°

ROOF AND FAÇADE SHINGLE

420 × 240 mm in installed area

≥ 25°

RHOMBOID ROOF AND FAÇADE TILE

44 × 44: 437 × 437 mm in installed area
29 × 29: 290 × 290 mm in installed area
RHOMBOID FAÇADE TILE 20 × 20:
200 × 200 mm in installed area

≥ 12°
≥ 22°

FX.12 ROOF AND FAÇADE PANEL

700 × 420 mm in installed area

1400 × 420 mm in installed area

≥ 17°

PREFALZ

For roofs:
0.7 × 500 mm; 0.7 × 650 mm
For façades: 0.7 × 500 mm
Complementary coil:
0.7 × 1000 mm

FALZONAL®

0.7 × 600 mm
Complementary coil:
0.7 × 1,200 mm

≥ 3°

PREFA PRODUCT RANGE – FAÇADE

SIDING

138 × 0.7 mm
200 × 1.0 mm
300 × 1.2 mm
400 × 1.2 mm
500 × 1.5 mm
600 × 1.5 mm

SIDING PERFORATED

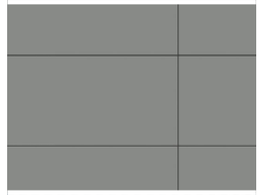
138 × 1.0 mm
200 × 1.0 mm
300 × 1.2 mm
400 × 1.2 mm

SIDING.X

138 × 1.0 mm
200 × 1.0 mm
300 × 1.0 mm
400 × 1.0 mm

PREFABOND ALUMINIUM COMPOSITE PANEL

4010 × 1535 × 4.0 mm



EXTRUDED PROFILES

Ripple profile 10/47/2.0 mm
Serrated profile 22/40/2.0 mm

OTHER PREFA PRODUCT RANGES

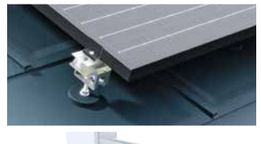
ROOF DRAINAGE

Half-round gutter 250 | 280 | 333 | 400 mm
Box gutter 250 | 333 | 400 | 500 mm
Edge gutter 700 × 1.0 mm
Square downpipe 80 × 80 mm | 100 × 100 mm
Downpipe⌀ 60 | ⌀ 80 | ⌀ 100 | ⌀ 120 | ⌀ 150 mm

PREFA SOLAR

SOLAR PANEL PREFALZ
Solar panel PREFALZ 500 (2,000 × 408 mm)
Solar panel PREFALZ 650 (2,000 × 558 mm)

SOLAR PANEL MOUNTING SYSTEM
Supporting rails and accessories for solar panel systems



FLOOD PROTECTION SOLUTIONS

Property and perimeter protection

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STRENGTH IS OUR PROMISE.

- Aluminium, the strong material for generations
- Perfectly coordinated complete systems
- Over 5,000 products in many colours and shapes
- Guarantee of up to 40 years on materials and colours*
- Personal, all-round service at every stage

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40* YEAR COLOUR GUARANTEE

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* Information about the material and colour guarantee can be found at: uk.prefa.com/guarantee

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