



ROOF SYSTEMS

made from aluminium



COVER PHOTO

Product: PREFA FX.12 roof and façade panel

Colour: stone grey P.10

Location: La Grave (France)

Architect: Atelier 17 C – Architectes

Installed by: Altibois

04	THE PREFA SUCCESS STORY FD.TEC P.10
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06	R.16 ROOF TILE
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10	ROOF TILE
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14	RHOMBOID ROOF TILE 44 × 44
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18	RHOMBOID ROOF TILE 29 × 29
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70
YEARS
QUALITY
since 1946



FD.TEC FREQUENCY
DAMPER STRIPS

PREFA R.16 ROOF TILE



FD.TEC TAKES THE MOMENTUM OUT OF SOUND

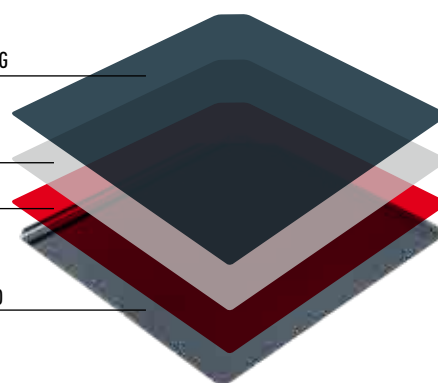
PREFAs unique FD.TEC frequency damper technology reduces unwanted frequency ranges to a minimum, and prevents certain sound emissions to a large extent. The purpose of the FD.TEC frequency damper strips attached to the back of all small format PREFA roof elements is to absorb frequencies that can be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

P.10 COIL COATING

PRIMER

PRE-TREATMENT

PREFA RHOMBOID
ROOF TILE



P.10 COLOUR-FAST SURFACE

With PREFA P.10, we have developed a surface that meets even the highest quality standards. The PREFA P.10 surface coating is the ideal complement for many PREFA products. The result is a material which withstands external influences and stresses and at the same time is incredibly light and stable, offering a wide range of planning and design possibilities.



THE PREFA SUCCESS STORY

PREFA has been successfully developing, producing and marketing aluminium roof and façade systems in Europe for 70 years.

1946 DEVELOPMENT OF THE FIRST ALUMINIUM ROOF TILE

Gödl, the master metal worker and roofer from Salzburg, invents "PREFA", the aluminium roof tile

1955 START OF PRODUCTION IN MARKTL

The production of PREFA is taken over by the aluminium rolling plant, Fried. v. Neuman Zink- und Aluminiumwalzwerk

1978 DEVELOPMENT OF THE TWO-LAYER STOVE ENAMEL SURFACE

Market launch of the two-layer stove enamel finish and coated aluminium strips

1980 DEVELOPMENT OF THE SP80 SURFACE

PREFA introduces the pioneering SP80 coating system in anthracite, brown and dark green

1981 PREFA IS TAKEN OVER BY TUBEX

Fried. v. Neuman is taken over by the Tubex group under the management of Dr. Cornelius Grupp

1983 DEVELOPMENT OF SHINGLES AND SIDINGS

PREFA starts producing aluminium shingles and sidings

1998 WASUNGEN EXPANDS

6 years after the start of production, another factory is opened in Wasungen (Germany)

2001 "THE ROOF AS STRONG AS A BULL!"

From 2001, the PREFA brand is successfully characterised by its distinctive new logo and slogan

2004 EXPANSION OF EUROPEAN DISTRIBUTION

In 2004, PREFA sets up distribution companies in Italy, the Czech Republic, Hungary and Poland

2005 PREFA ACADEMY MARKTL

PREFA imparts a wealth of knowledge on products, technology, installation and much more at its training centre

2010 DEVELOPMENT OF THE P.10 SURFACE

The PREFA P.10 surface meets the highest architectural standards

2012 FX.12 ROOF AND FAÇADE PANEL

With its innovative FX.12 panel, PREFA offers the perfect combination of appearance and protection

2015 PREFA SQUARE DOWNPIPE

PREFA introduces a completely new architectural style for roof drainage

2016 R.16 ROOF TILE | RHOMBOID ROOF AND FAÇADE TILE 44 x 44

PREFA's innovative products combine all the aesthetics of larger formats with significantly optimised handling during installation.

Product: PREFA roof tile R.16
Colour: anthracite P.10
Photo montage





R.16 ROOF TILE

Creating
new perspectives



Pure design in a longitudinal format

PREFA aluminium roof tiles represent the highest quality standards in stability and durability in conjunction with a timeless, clear-cut architectural style. With the new R.16 roof tile, PREFA has developed a minimalist roof design which allows the greatest possible scope for realising distinctive architecture: thanks to the large format of 70 cm in length, it is now possible to cover the roof with 3.4 roof tiles per square metre, while at the same time, achieving exceptional aesthetic effects.

PREFA R.16 ROOF TILE — TECHNICAL DATA

Material	coil coated aluminium, 0.7 mm thick
Size	700 × 420 mm (cover)
Weight	2.5 kg/m ²
Roof pitch	from 17° = 31%
Substructure and separating layer	on fully boarded substrate (thickness in accordance with national guidelines or regulations, PREFA recommends 24 mm plywood), a separation layer is required
Fastening	direct, using 3 PREFA ring nails 28/25



Product: PREFA roof tile R.16
Colour: anthracite P.10
Photo montage





ROOF TILE

Design classics
of tomorrow



Completely rethinking the familiar

When innovation meets tradition: with their elegant matt structure, the low-maintenance aluminium tiles developed by PREFA give the “scaly” appearance of façades and roofs a particularly exclusive look. Roof tiles are equally suitable for use on new roofs and roof renovations. As they only weigh 2.3 kg/m², they can also be laid with ease on intact older roof structures. The patent seam and clip system makes roofs and façades particularly storm-proof.





PREFA ROOF TILE — TECHNICAL DATA

Material	coil coated aluminium, 0.7 mm thick
Size	600 × 420 mm (cover)
Weight	2.3 kg/m ²
Roof pitch	from 12° = approx. 21% (rafter length: up to 7 m) from 14° = approx. 25% (rafter length: 7–12 m) from 16° = approx. 29% (rafter length: over 12 m)
Substructure and separating layer	on fully boarded substrate (thickness in accordance with national guidelines or regulations, PREFA recommends 24 mm plywood), a separation layer is recommended
Fastening	2 aluminium patent clips per roof tile = 8 clips per m ²







RHOMBOID ROOF TILE 44 × 44

The boldness to achieve
what is possible



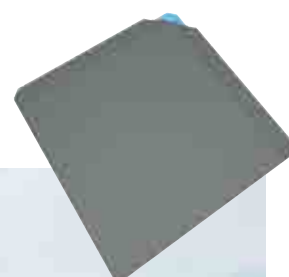
Product: PREFA rhomboid roof
and façade tile 44 × 44
Colour: light grey P.10
Photo montage

Enlarged size gives free rein

With its PREFA aluminium rhomboid roof tile in 44 × 44 cm format, PREFA is once again stimulating a strong and innovative creative impulse. The enlarged surface structure gives free rein for creating traditional shapes with modern accents while maintaining the highest level of durability and excellent weather resistance. The new PREFA design rhomboid roof tile is impressive due to its minimal weight and easy handling: the integrated fastening strips facilitate speedy and inexpensive installation of the roof and façade elements.

PREFA RHOMBOID ROOF TILE 44 × 44 — TECHNICAL DATA

Material	coil coated aluminium, 0.7 mm thick
Size	437 × 437 mm (cover)
Weight	2.6 kg/m ²
Roof pitch	from 12° = approx. 21% (rafter length: up to 7 m) from 14° = approx. 25% (rafter length: 7–12 m) from 16° = approx. 29% (rafter length: over 12 m)
Substructure and separating layer	on fully boarded substrate (thickness in accordance with national guidelines or regulations, PREFA recommends 24 mm plywood), a separation layer is recommended
Fastening	direct, using 4 PREFA ring nails per rhomboid roof tile 44 × 44 = 20 ring nails per m ²







RHOMBOID ROOF TILE 29 × 29

Uncompromising where aesthetics
and quality are concerned

Product: PREFA rhomboid roof tile 29 × 29
Colour: light grey P.10
Location: Bolzano (Italy)
Architect: Markus Vigl
Installed by: Stuefer GmbH (roofers and metalworkers)

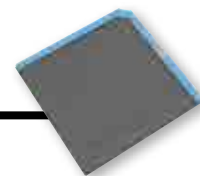


Product: PREFA rhomboid façade tile 20 × 20
Colour: anthracite P.10
Location: Brussels (Belgium)
Architect: Dimitri Saerens – Aura
Installed by: A & S Dakwerken



Simple solutions to your problems

The ideal roof for challenging environments: the extremely robust, small-format rhomboid roof tiles are particularly storm-proof and weather-resistant thanks to their folding technology and special fastening system, and can even withstand the most extreme conditions. Weighing just 2.60 kg/m², the lightweight rhomboid roof tiles are not just ideal for new roofs or for renovating existing roof structures, they are perfectly suitable for use on intact older roof structures too. With their elegant surface structure, roofs with rhomboid roof tiles are also extremely visually attractive.



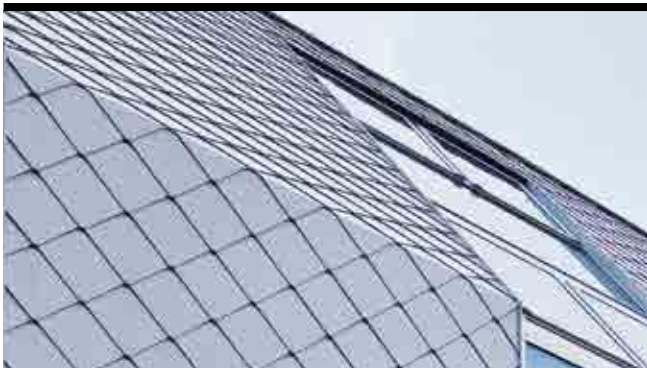
PREFA RHOMBOID ROOF TILE 29 × 29 — TECHNICAL DATA

Material	coil coated aluminium, 0.7 mm thick
Size	290 × 290 mm (cover)
Weight	2.6 kg/m ²
Roof pitch	from 22° = approx. 40%
Substructure and separating layer	on fully boarded substrate (thickness in accordance with national guidelines or regulations, PREFA recommends 24 mm plywood), a separation layer is recommended
Fastening	1 rhomboid roof tile clip per rhomboid roof tile 29 × 29 = 12 clips per m ²

Product: PREFA rhomboid façade tile 29 × 29
 Colour: light grey P.10
 Location: Vienna (Austria)
 Architect: Treberspurg architectural office
 Installed by: Rudolf Wukitsevit



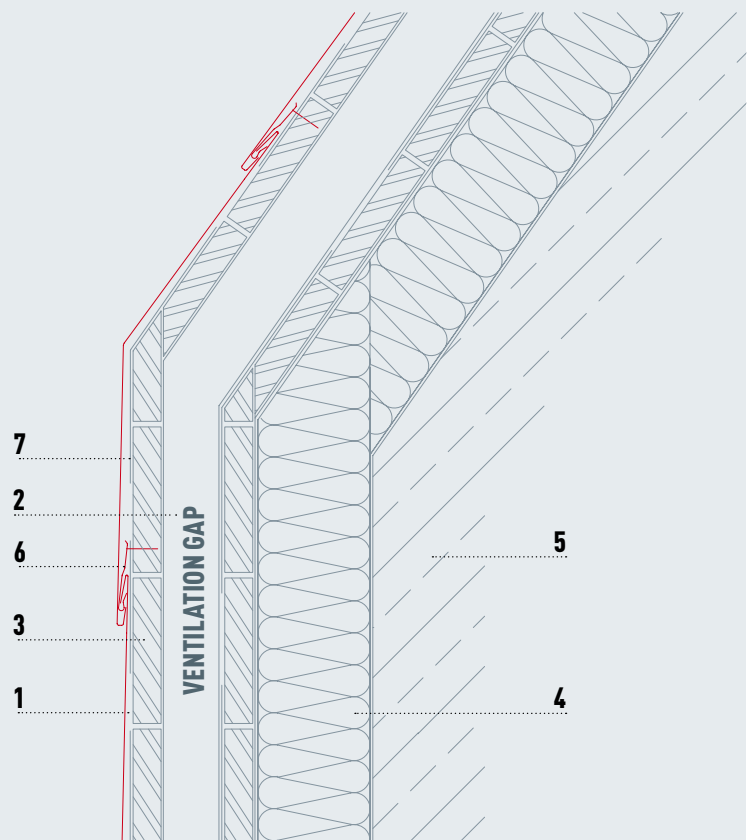
Product: PREFA rhomboid roof and façade tile 29 × 29
 Colour: special colour
 Location: Vienna (Austria)
 Architect: Superblock ZT GmbH
 Installed by: Dachbau Zeiler



HORIZONTAL MANSARD DETAIL

The PREFA rhomboid roof tile follows the current architectural trend of beautifully blending the roof and façade into each other. Rather than being dominated by a variety of materials, the current architectural style focuses on one material where possible, giving the concept and form of the building maximum expression.

- 1 PREFE RHOMBOID FAÇADE TILE 29 × 29
- 2 COUNTER BATTEN
- 3 SOLID SHEATHING
- 4 FAÇADE INSULATION PANELS
- 5 MASONRY
- 6 PREFE RHOMBOID FAÇADE TILE CLIP
- 7 RAINPROOF LEVEL



Building-related special solution

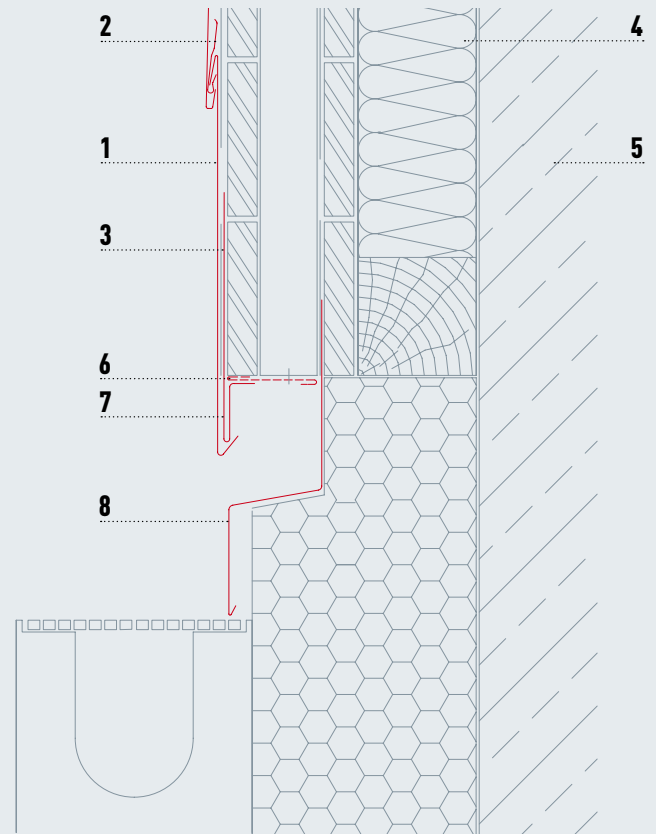
Individually designed buildings often require special building-related solutions in order to maintain their functionality.

The architects, ZT Büro Superblock, wanted to cover the façade with PREFA rhomboid façade tiles, smoothly incorporating them into the roof area with no visual interruptions. Doing so required the rhomboid façade tiles to be canted horizontally. From a technical point of view, this would have meant that protection from rain could not be guaranteed over a longer period of time due to the forming of the fold. However, a building-related solution enabled an additional rainproof level to be created under the roof covering and façade cladding. The architects relied on PREFA, the roof and façade specialists, to give expression to the concept of a smooth flowing exterior.

Using the PREFA roof and façade rhomboid tile gives the building a scaly outer shell which, alongside the visual affect, also adds another special feature, i.e. that of gutter-less drainage. PREFA rhomboid roof tiles with dimensions of 290×290 mm were installed on the roof and façade. A drainage channel at the base of the façade ensures drainage of the roof and façade surfaces.

12 roof rhomboid tiles correspond to one square metre and weigh just 2.6 kg. The light weight of PREFA rhomboid roof tiles makes them particularly well suited for use in renovation projects, as existing roof structures can be preserved and substructures do not often require extra reinforcement before the new roof is installed.

- | | |
|---------------------------------------------|--------------------------------|
| 1 PREFA RHOMBOID FAÇADE TILE 29×29 | 6 PERFORATED METAL PLATE |
| 2 PREFA RHOMBOID FAÇADE TILE CLIP | 7 EDGE CLEAT STRIP |
| 3 RAINPROOF LEVEL | FOR PREFA RHOMBOID FAÇADE TILE |
| 4 FAÇADE INSULATION PANELS | 8 LINTEL FLASHING |
| 5 MASONRY | |



Product: PREFA roof and façade shingle
Colour: anthracite P.10
Location: Vienna (Austria)
Architect: Dipl. Ing. Markus Schuster
Installed by: Schibich Hermann GmbH





SHINGLE

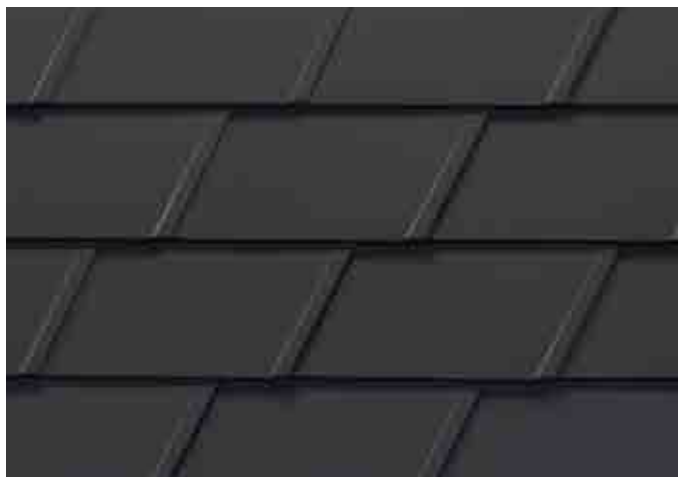
A good strong roof —
made easy!





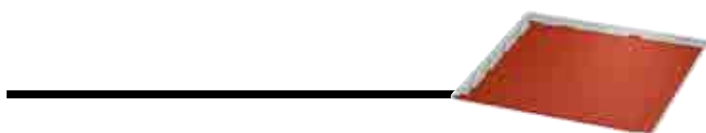
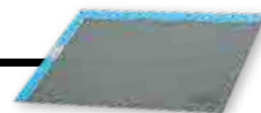
Product: PREFA roof and façade shingle
 Colour: anthracite P.10
 Location: Vienna (Austria)
 Architect: Dipl. Ing. Markus Schuster
 Installed by: Schibich Hermann GmbH

PREFA shingle



PREFA SHINGLE — TECHNICAL DATA

Material	coil coated aluminium, 0.7 mm thick
Size	420 × 240 mm (cover)
Weight	2.5 kg/m ²
Roof pitch	from 25° = approx. 47%
Substructure and separating layer	on fully boarded substrate (thickness in accordance with national guidelines or regulations, PREFA recommends 24 mm plywood), a separation layer is recommended
Fastening	1 patent clip per shingle = 10 clips per m ²



TECHNICAL DATA FOR PREFA DS.19 SHINGLE

Material coil coated aluminium, 0.7 mm thick,

Size 480 × 262 mm (cover)

Weight approx. 2.75 kg/m²

Roof pitch from 17° = approx. 31%

Substructure and separating layer on fully boarded substrate (thickness in accordance with national guidelines or regulations, PREFA recommends 24 mm plywood), a separation layer is required

Basic fixing indirect, 1 patent clips and ring nails per shingle DS.19 = 8 patent clips and ring nails per m²

As though tailor-made for each project

A roof as flexible as your requirements: the small-format, particularly lightweight shingles demonstrate their strengths whether used on small surfaces or large-scale projects. Thanks to their folding system and concealed fastening, shingles are not only storm-proof and weather-resistant but also highly attractive. Whether used on a new roof or for refurbishment projects, PREFA shingles perfectly combine the highest quality standards with functionality and aesthetics.







FX.12 ROOF PANEL

Architecture and design
become one

Product: PREFA FX.12 roof and façade panel
Colour: stone grey P.10
Location: La Grave (France)
Architect: Atelier 17 C – Architectes
Installed by: Altibois



Product: PREFA FX.12 roof and façade panel
 Colour: stone grey P.10
 Location: La Grave (France)
 Architect: Atelier 17 C – Architectes
 Installed by: Altibois



PREFA'S NEW DESIGN PIPE-STYLE SNOW GUARD SYSTEM

For all small-format roofing products—Alongside the lower overall cost, the greatest advantage of our new pipe-style snow guard system is that it is easy to install. The pipe-style snow guard system can also be installed at a later stage. Available in all colours for PREFA roof systems (small format).

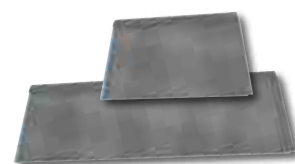
The art of turning visionary plans into reality

The FX.12 roof and façade panel is an innovative and unique element which, with its lengthwise and right-angled canting, enables the creation of particularly futuristic surface designs. This individual appearance, which differs depending on how the light falls on it, makes every building unique.

The two different format sizes and asymmetrical appearance further accentuate the individual character of each building.

PREFA FX.12 ROOF AND FAÇADE PANEL — TECHNICAL DATA

Material	coil coated aluminium, 0.7 mm thick
Size	700 × 420 mm and 1,400 × 420 mm (cover)
Weight	2.4–2.5 kg/m²
Roof pitch	from 17° = approx. 31%
Substructure and separating layer	on fully boarded substrate (thickness in accordance with national guidelines or regulations, PREFA recommends 24 mm plywood), a separation layer is required
Fastening	direct, using 3 PREFA ring nails 28/25 (small panel) or 5 PREFA ring nails 28/25 (large panel)



Product: PREFA FX.12 roof panel
Colour: anthracite P.10
Location: Rüsselsheim (Germany)
Architect: A°ID architects office

Product: PREFA FX.12 roof and façade panel
Colour: light grey P.10
Location: Berlin-Lichtenrade (Germany)
Architect: Lusin Architektur
Installed by: Marco Riemelt Dachdecker GmbH



Building-related special solution

The owners inherited a plot of land in the back country of Berlin-Lichtenrade with a complete basement bungalow, built in the sixties. The existing building was dilapidated and had to be demolished, however the owner wanted to continue using the basement area. The challenge now facing the architects was to convert the static structure of the existing basement into a home for the owners, while respecting strict urban development specifications.

The requirement for the eaves to be maximum four metres high made the task particularly difficult as the existing basement already protruded approx. 1.20 m out of the ground. So, the sloping gable roof, pitched at an angle of 45°, started from the upper edge of the finished floor level of the attic storey.

However, in order to be able to use the rooms on this storey, the

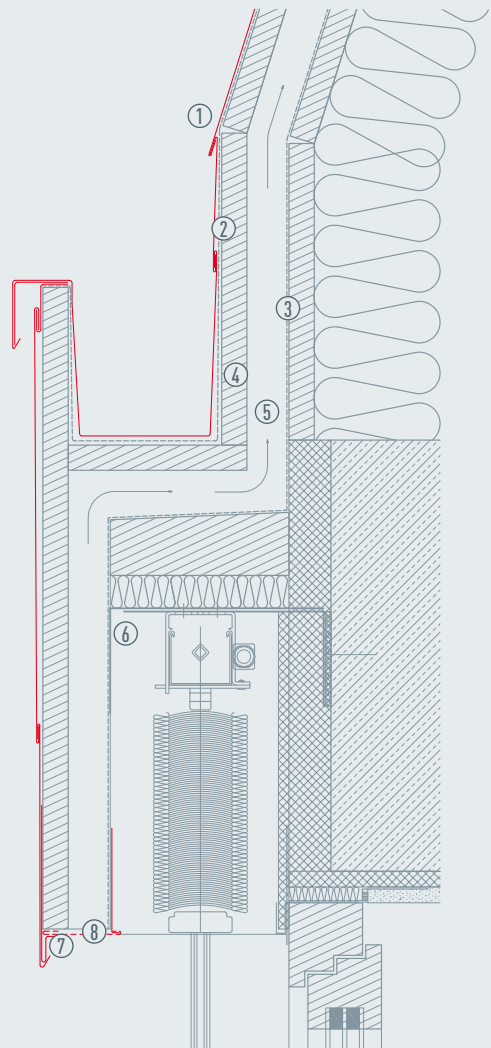
roof area was conceptually cut along six lines and the dormers were “extracted” from the existing sectional area, creating the building’s sculptural form. Added to this was the idea of a unified shell to surround the building. After researching and testing various materials, the decision was quickly made to use FX.12 roof and façade panels for the building shell due to their characteristically heterogeneous surface which perfectly complemented the building’s sculptural shape.

All the design details for the building shell were newly developed based on PREFA’S standard details for FX.12 roof and façade panels, before being further optimised in close collaboration between the planner and installer during the course of installation.



DRAINAGE DETAILS

- 1 PREFA FX.12
- 2 SEPARATING LAYER
- 3 UNDERLAYMENT
- 4 SOLID SHEATHING
- 5 VENTILATION GAP
- 6 SUPPORTING FLASHING STRIP (min. 2 mm)
- 7 EDGE CLEAT STRIP
- 8 PERFORATED METAL PLATE





Product: Prefalz
Colour: anthracite P.10
Location: Budapest (Hungary)
Architect: Tér-Alkotó Stúdió
Installed by: Ács-Bádogos-Szigetelő Kft.



PREFALZ

Boundless inspiration
in aluminium



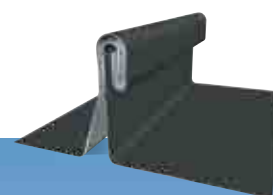
Product: Prefalz
Colour: patina green
Location: Opinogóra Górna (Poland)
Architect: Płockie Pracownie Projektowe
Installed by: DEK-MAR





PREFALZ — TECHNICAL DATA

Material	coil coated aluminium, 0.7 mm thick
Size	0.7 × 500 mm, 0.7 × 650 mm (0.7 × 1,000 mm; flashing strip)
Weight	approx. 1.89 kg/m ² (weight of a 430 mm tray 2,3 kg/m ² , 580 mm tray 2,2 kg/m ²)
Installation	on fully boarded substrate (thickness in accordance with national guidelines or regulations, PREFA recommends 24 mm plywood). Minimum roof pitch in accordance with national regulations, PREFA recommends 5° / 8,74%
Separating layer	a suitable separation layer is required
Fastening	PREFA fixed and sliding clips, spacing in accordance with static requirements



Prefalz enables completely new forms of creativity

Creating new perspectives in terms of creativity and durability! Prefalz is used to realise a great variety of unique roofs and façades. The flexible aluminium alloy strips are particularly easy to shape and form, despite their highest paint and surface resistance. The interplay of outstanding material properties and a broad range of colours offers endless scope for turning your creative ideas into reality. What's more, the high-quality surface treatment produced in a coil-coating procedure also ensures long durability and low maintenance.

Product: Prefalz
Colour: anthracite P.10 | light grey P.10
Location: Weiden am See (Austria)
Architect: ad2 architekten ZT KG
Installed by: Peter Koch GesmbH





Product: Prefalz
 Colour: light grey P.10
 Location: Kővágószőlős (Hungary)
 Architect: Prof. Dr. Zoltán Bachmann & Dr. Ágnes Borsos
 Installed by: Ákos Stang

As real as your dreams

Prefalz represents a whole new quality in creative inspiration: the exceptional pliability of the aluminium strips enables a wealth of innovative roof and façade solutions to be created — without compromising on the quality or durability of all of PREFA's products. Give your creativity free rein — Prefalz will follow suit!



THE PREFA COLOUR RANGE

for roof systems

1

roof tile

2

R.16 roof tile

3

shingle

4

rhomboid roof tiles 29 × 29 | 44 × 44

5

FX.12 roof panel

6

Prefalz

PREFA P.10

THE TOUGH ALUMINIUM INNOVATION



01 P.10 brown

1 2 3 4 5 6



02 P.10 anthracite

1 2 3 4 5 6



03 P.10 black

1 2 3 4 5 6



04 P.10 brick red

1 2 3 4 5 6



05 P.10 oxide red

1 2 3 4 5 6



06 P.10 moss green (similar to RAL 6005)

1 2 3 4 5 6



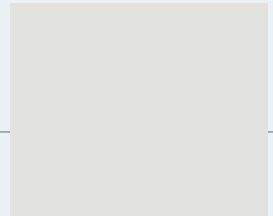
07 P.10 light grey

1 2 3 4 5 6



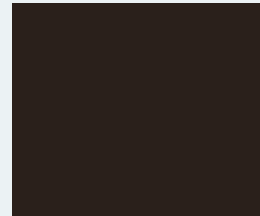
08 P.10 zinc grey (own colour)

6



10 P.10 prefa white (similar to RAL 9002)

6



11 P.10 nut brown (own colour)

1 2 3 4 5 6



43 P.10 stone grey* (own colour)

1 2 3 4 5 6

* The recreated natural colouring of the stone grey P.10 colour varies widely in shade, giving the product its distinctive character. This also applies to the sand brown, rust brown, patina green, patina grey and plain aluminium colours.

** Surface appearance alterations caused by processing are not covered by the guarantee. Follow the instructions.

*** Colour differences may occur when coating metal-effect colours.



12 metallic silver*** (similar to RAL 9006)

6

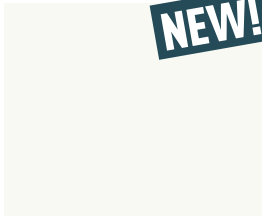


13 plain aluminium**

1 2 3 4 5 6



NEW!



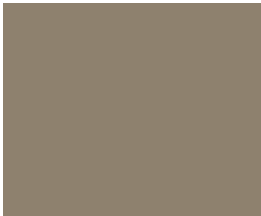
17 P.10 pure white

6



23 black grey (own colour)

6



45 bronze (own colour)***

6

NEW!



19 P.10 dark grey

6



46 P.10 patina green (own colour)*

6



47 patina grey (own colour)*

6

PREFA PRODUCT RANGE

ROOF/FACADE

ROOF TILE

600 × 420 mm in laid area



R.16 ROOF TILE

700 × 420 mm in laid area



DS.19 SHINGLE

480 × 262 mm in laid area



NEW!



ROOF AND WALL SHINGLE

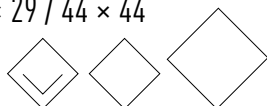
420 × 240 mm in laid area



RHOMBOID ROOF / FACADE TILE 29 × 29 / 44 × 44

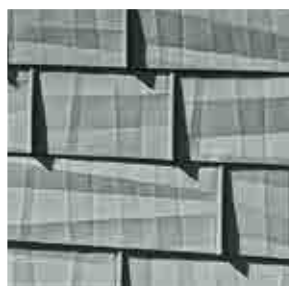
290 × 290 mm in laid area

440 × 440 mm in laid area



RHOMBOID FACADE TILE 20 × 20

200 × 200 mm in laid area



FX.12 ROOF AND FACADE PANEL

700 × 420 mm and 1400 × 420 mm



PREFALZ AND FALZONAL

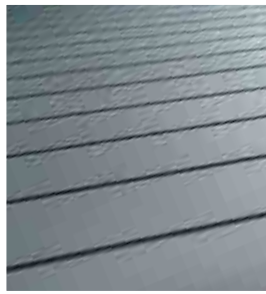
Standard sizes

For roof 0.7 × 500 mm; 0.7 × 650 mm

For façade 0.7 × 500 mm

Flashing strip 0.7 × 1000 mm



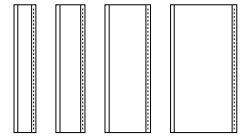


PREFA PRODUCT RANGE

FAÇADE

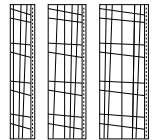
SIDING

138 × 0.7 mm; 200 × 1.0 mm;
300 × 1.2 mm; 400 × 1.2 mm



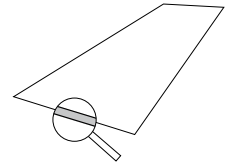
SIDING.X

200 × 1.0 mm; 300 × 1.0 mm; 400 × 1.0 mm



COMPOSITE PANEL

1500 × 4010 × 4.0 mm



PROFILES

Ripple profile 10/47/2.0 mm, width 140 mm, weight 6.62 kg/m²
Serrated profile 22/40/2.0 mm, width 200 mm, weight 7.5 kg/m²



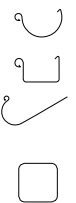
ROOF DRAINAGE

TRADITIONAL

Half round gutter 250 mm/280 mm/333 mm/400 mm
Box gutter 250 mm/333 mm/400 mm/500 mm
On-roof gutter 700 mm × 1.0 mm

MODERN

PREFA square downpipe 100 × 100 mm



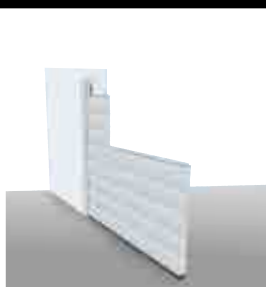
NEW!
NOW ALSO
IN P.10



PS.13 INSTALLATION SYSTEM

SOLAR FIXING SYSTEM AND ACCESSORIES

For the installation of photovoltaic modules on all PREFA roof systems



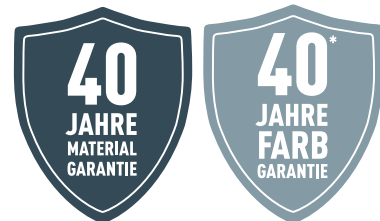
FLOOD PROTECTION

FOR BUILDING AND LANDSCAPE PROTECTION



10 GOOD REASONS FOR CHOOSING PREFA

- ! STORM-PROOF
- ! RUST-PROOF
- ! BREAK-PROOF
- ! LIGHT
- ! BEAUTIFUL
- ! COLOUR-FAST SURFACE
- ! GREAT FOR RENOVATIONS
- ! COMPLETE SYSTEM
- ! ENVIRONMENTALLY FRIENDLY
- ! 40-YEAR GUARANTEE



THE PREFA GROUP IS REPRESENTED IN THE FOLLOWING COUNTRIES:

Austria, Germany, Switzerland, Italy, France, Belgium, the Netherlands, Luxembourg, Denmark, Sweden, Norway, the Czech Republic, Slovakia, Hungary, Poland, Slovenia, Croatia, Estonia, Latvia, Lithuania, Russia, Great-Britain, Ireland

* The colour guarantee ensures that the painted surface is protected from chips and blistering under the terms specified in the guarantee certificate. You can find more information on the material and colour guarantee at www.prefa.com/Guarantee

Photos: PREFA | Croce & Wir | Marion Lafogler | Werner Jäger

Subject to technical modifications and printing errors. Printed colours may vary from the original material.

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