



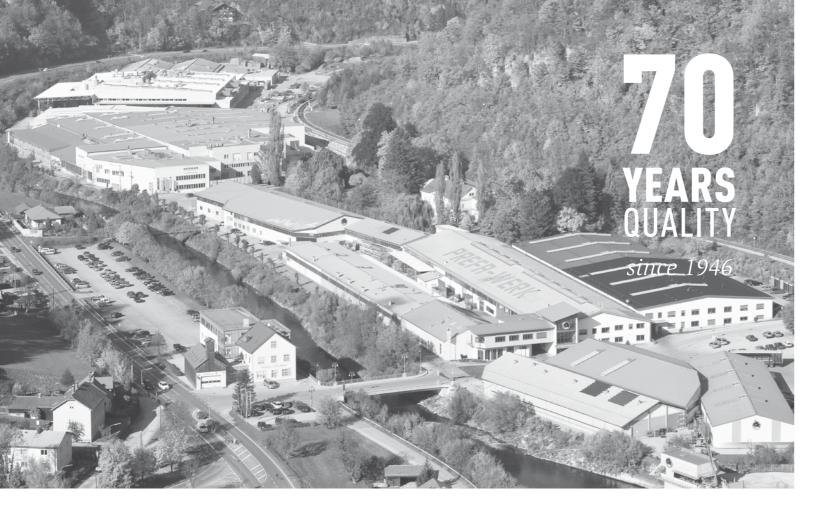


PREFA SUCCESS STORY | FD.TEC | P.10 **RHOMBOID PANEL 44x44 NEW!** FACADE SHINGLE FACADE PANEL FX.12 18 **Siding** PREFALZ (STANDING SEAM) **ALUMINIUM COMPOSITE PANEL EXTRUSION PROFILE AND CORRUGATED PROFILE** PREFA COLOUR RANGE

PREFA PRODUCT OVERVIEW



COVER IMAGE
Product: PREFA roof and facade panel FX.12
Colour: stone grey P.10
Location: La Grave, France
Architecture: Atelier 17 C – Architectes



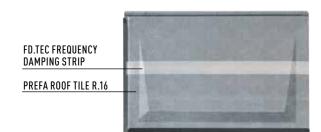




PREFA SUCCESS STORY

» For 70 years, PREFA has been successful in the development, production and marketing of roof and facade systems made of aluminium. «

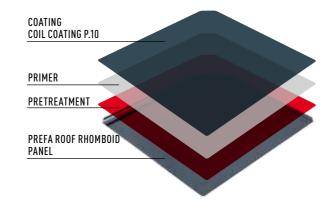




FD.TEC ABSORBS THE SOUND'S MOMENTUM

With its unique frequency damper technology FD.TEC, PREFA reduces the unwanted frequency ranges to a minimum and prevents certain sound emissions to a large extent. The FD.TEC frequency damping strips affixed to the back of all small-format PREFA roof elements selectively modify the frequencies that may be caused by rain and hail.





P.10 COLOUR-RESISTANT SURFACE

With PREFA P.10, we have developed a surface that meets even the highest quality standards. The PREFA P.10 surface is the ideal complement for many PREFA products. The result is a material that can withstand external influences and pressures and at the same time is incredibly light and stable, providing a wide range of possibilities in planning and execution.

1946 THE FIRST ALUMINIUM ROOF TILE

Tinsmith Gödl from Salzburg invents "PREFA", the roof tile made of aluminium

1955 START OF PRODUCTION IN MARKTL

Production of PREFA is taken over by Fried. v. Neuman Zink- und Aluminium-walzwerk:

1978 THE STOVE-ENAMELLED SURFACE

Market introduction of the stove-enamel finish and the coated aluminium bands

1980 THE SP80 SURFACE

PREFA presents the groundbreaking SP80 paint system in anthracite, brown and dark green

1981 PREFA BECOMES PART OF TUBEX

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

1983 SHINGLES AND SIDINGS

PREFA launches the production of shingles and sidings made of aluminium

1998 WASUNGEN EXPANDS

6 years after start of production, another factory is opened in Wasungen/Germany

2001 "THE ROOF STRONG AS A BULL!"

From 2001 on, the PREFA brand is successfully marked by the distinctive logo and slogan

2004 EXPANSION OF EUROPEAN DISTRIBUTION

In the year 2004, PREFA establishes sales companies in Italy, the Czech Republic, Hungary and Poland

2005 PREFA ACADEMY MARKTL

PREFA offers comprehensive know-how about products, technology, installation and much more in the training centre

2010 THE P.10 SURFACE

The surface PREFA P.10 meets the highest architectural standards

2012 ROOF AND FACADE PANEL FX.12

Using the innovative FX.12, PREFA realizes the ideal combination of aesthetics and protection

2015 PREFA SQUARE PIPE

PREFA presents a completely new form language in roof drainage

2016 ROOF TILE R.16 | ROOF AND FACADE RHOMBOID PANEL 44x44

The PREFA innovations combine the aesthetics of larger formats with significantly optimized handling during installation

04 ROOF & FACADE





Surprising Accents Are Set

PREFA rhomboid panels in the generous 44 x 44 cm format lend remarkable accents to the proven "scaly appearance". The fascinating rhomboid shape allows the realization of a modern structured facade appearance which emphasizes the high quality of the overall planning and turns any building into a unique whole full of character. The integrated mounting strips allow the facade elements to be quickly and inexpensively mounted.





TECHNICAL DATA PREFA RHOMBOID PANEL 20x20

Material coated aluminium, 0.7 mm thick, two-layer stove-enamel finish

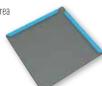
or powder coating

directly, 1 pc PREFA threaded nails per rhomboid panel 20x20 = 25 threaded nails/m² Fixing

on full boarding at least 24 mm Installation

200 x 200 mm in the installed area

2.8 kg/m²



TECHNICAL DATA PREFA RHOMBOID PANEL 29x29

Material

coated aluminium, 0.7 mm thick, two-layer stove-enamel finish

or powder coating

1 pc rhomboid panel holder per rhomboid panel 29x29 = 12 holders per m²

Installation on full boarding at least 24 mm

290 x 290 mm in the installed area

2.6 kg/m²



TECHNICAL DATA PREFA RHOMBOID PANEL 44x44 :

coated aluminium, 0.7 mm thick, two-layer stove-enamel finish Material

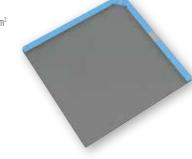
or powder coating

directly, 4 pc PREFA threaded nails per rhomboid panel 44x44 = 20 threaded nails/m² Fixing

Installation on full boarding at least 24 mm

437 x 437 mm in the installed area

2.6 kg/m²



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Diverse Possibilities in Proven Aesthetics.

Small-format facade shingles are regarded as the popular classics in facade design. Thanks to their flexibility, small places full of corners can be realized the same way as large facades – of course al-

ways at the highest level of technical quality.
But thanks to the concealed fixing, the small-format facade shingles also produce a beautiful image visually that meets the highest standards.

TECHNICAL DATA PREFA FACADE SHINGLE

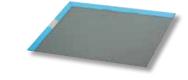
coated aluminium, 0.7 mm thick, two-layer stove-enamel finish or powder coating Material

1 pc PREFA patent holder per shingle = 10 holders per m²

Installation on full boarding at least 24 mm

Size 420 x 240 mm in the installed area

2.5 kg/m² Weight







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FX.12: A Unique Design Full of Character.

The FX.12 roof and facade panel is an innovative, unique element that permits a particularly futuristic surface design through its longitudinal and traverse canting. This individual look that appears even more different depending on the light makes each object

unique.

Two different format sizes and a correspondingly asymmetrical look allow the individual character of each house to be even further accentuated.



TECHNICAL DATA PREFA ROOF AND FACADE PANEL FX.12

Material

coated aluminium, 0.7 mm thick, two-layer stove-enamel finish oder powder coating according to RAL or NCS

directly, with 3 PREFA threaded nails 28/25 (small panel) or 5 PREFA threaded nails 28/25 (large panel) Fixing

on full boarding or battens

700 x 420 mm and 1,400 x 420 m

in the installed area

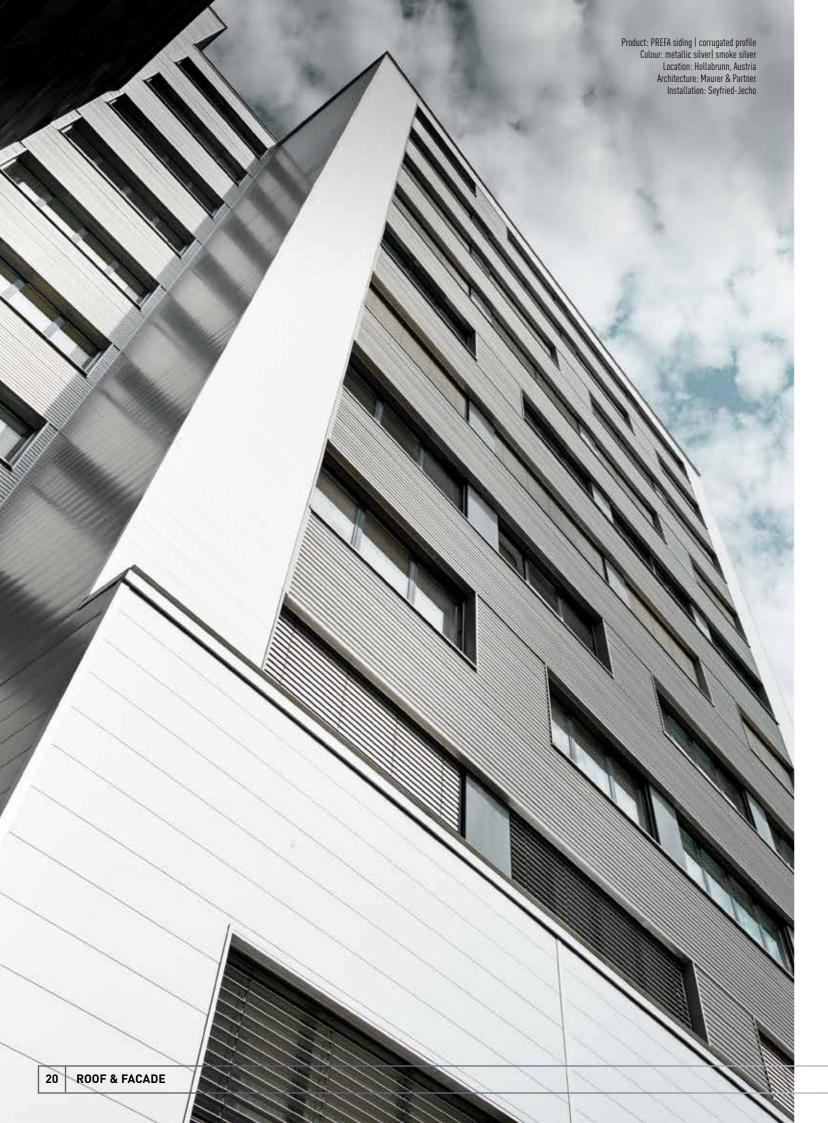
Weight 2.4-2.5 kg/m²

Installation









Intelligent Solutions, Convincing Across the Board

The PREFA facade siding lends your project a distinctive look and convinces with its outstanding constructive and functional characteristics.



TECHNICAL DATA PREFA SIDING

Material

color-coated aluminium alloy, surface smooth, stucco or lined, either with or without a shadow gap

Fixing by screws onto the aluminium or wooden substructure

high-grade two-layer stove-enamel finish or powder coated Coating

138 x 0.7 mm, 200 x 1.0 mm, 300 x 1.2 mm Standard formats

500-6,200 mm Length

Weight

Product: PREFA siding Colour: metallic silver Location: Halle, Germany Architecture: Böllberger Planungsbüro Installation: Hotec Metallbau



GAP.138 | 200 | 300

2

The Innovation Gap.138|200|300 is a special wedge part that makes for a constant gap when installing sidings (with or without shadow gap). The installation can be carried out independent of the substructure which makes a flexible and quick use possible. The new corner siding makes for a smooth transition at corners and edges – for a seemingly single-piece facade.

Another new feature is the lined surface texture that gives the facade a distinctive, elegant look.

Expressive Unique Pieces, Created from Impressive Diversity.

The siding from PREFA allows creative facade dreams to be made into a reality. The diverse design options with variable construction widths, with or without shadow gap, smooth, stucco or lined surface appearances and a wide range of colours provide endless

possibilities for the implementation of individual and durable aluminium facade solutions. Whether building renovation or new construction – the PREFA facade siding makes intelligent facade solutions a sure thing for you!



Object-Based Special Solution

The "Diakoniewerk" (social charity) decided to build a new canteen in Gallneukirchen (Upper Austria) in 2012. The challenge the architects faced was to take advantage of the topographical special conditions in such a way as to create a very comprehensive, coherent and modern-looking building. Thus two property levels

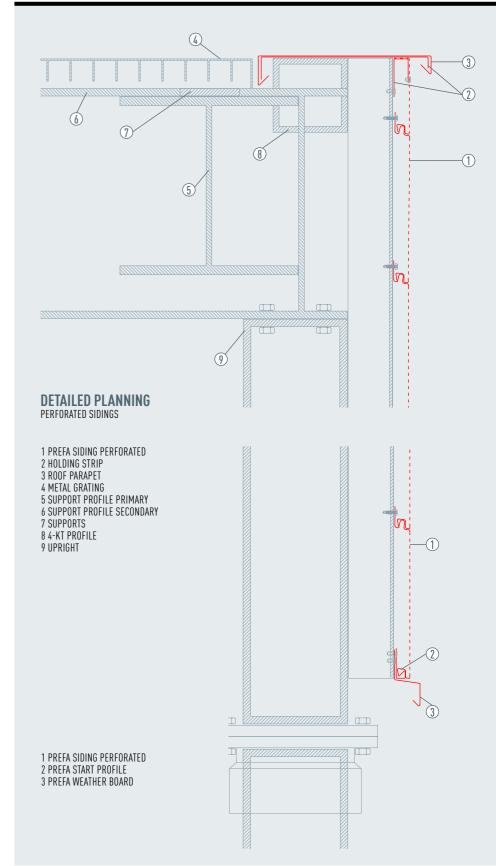
were created into which the building was integrated. The building structure itself follows the basic approach of the mutually protective roof function. Thus the individual building parts extend out in those directions where the function of a canopy roof is desired on the floor below.



The supporting structure of the building is made of reinforced concrete. A prefabricated supports-beams-plates system allowed a rapid construction with high flexibility. The outer shell consists of PREFA sidings on the upper floors and architectural precast concrete in the building yard area, in different insulation thicknesses required for the thermal insulation of the functions housed behind it. The outer material is thus arranged in floor-by-floor layers with slightly varying processing.

The basement has smooth exposed concrete surfaces giving it a solid, robust base-like character. Through the arrangement of horizontal PREFA sidings in a standard metallic silver colour (similar to RAL 9006), the kitchen level is given the appearance of a stronger horizontal, softer structure.

Since the technical level was to have the same character as the kitchen level, it was covered with perforated (Rv = 5/8 round hole offset) PREFA sidings in the same colour shade. This circumferential screen additionally takes on the a visual protection function for the capacitors. Its translucent appearance lends the top level the lightest and most rugged appearance. Due to the special location, the flat roof level also received extra attention as the "fifth facade" and was covered with perforated metal gratings as well.







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TECHNICAL DATA PREFALZ

Weight

Material

coated aluminium, 0.7 mm thick, two-layer stove-enamel finish

0,7 x 500 mm Dimensions

(supplementary strips 0,7 x 650 mm, 0,7 x 1.000 mm)

approx. 1.89 kg/m²(effective consumption with 500 band about 2.3 kg/m²

Installation on full boarding at least 24 mm

Fixing

PREFA angular standing seam lead tack cleats and angular standing seam sliding lead tacks, according to static requirements



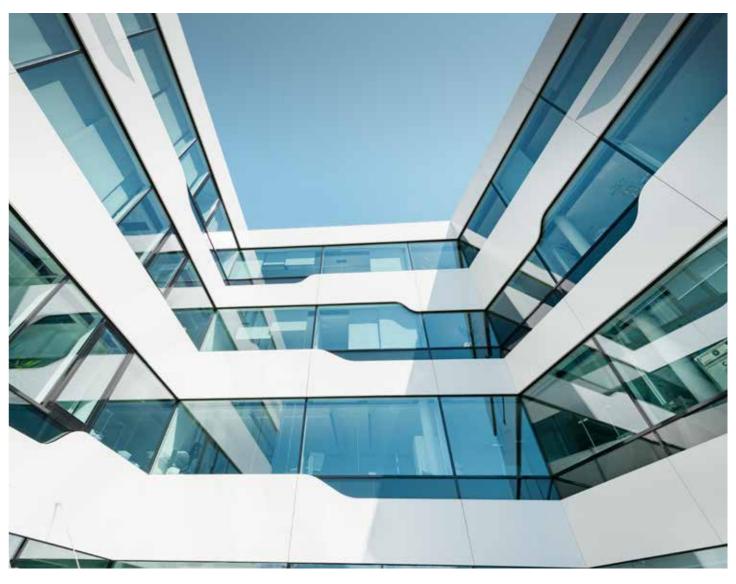
Product: Prefalz Colour: natural blank Location: Krems, Austria Architecture: Mang Installation: Hintenberger Dächer- und Holzbau GmbH

Complex Challenge – Simple Solution!

The diversity of Prefalz colours and forms of is impressive, but also easy to explain: The Prefalz made of aluminium is more pliable than most comparable Falz (fold) materials and therefore easily formed. This makes for countless individual design possibilities that are hardly possible with any other material. The flexibility does not affect the paint quality and the facade lasts throughout the entire lifetime of the home as a result.







Product: PREFA aluminium composite panel Colour: special colour Location: Innsbruck, Austria Architecture: DIN-A4 Architecture
Installation: ARGE Metallbau Hörburger & Metallbau Platter

You Have Big Plans. Show It!

Who says size doesn't matter? Especially with modern large buildings, the PREFA aluminium composite panel unfolds all of its aesthetics and beauty. The plates can not only be screwed or riveted, but also glued. Hence an elegant, uniform appearance can even be achieved on large surfaces. The diverse colors and shapes, the gloss grade selection as well as the unusual $% \left(1\right) =\left(1\right) \left(1\right)$ design surfaces and special coatings are brought out particularly well on large facades.

TECHNICAL DATA PREFA ALUMINIUM COMPOSITE PANEL

Material 1. Coil-coated aluminium (front side)

2. FR core 3. Coil-coated aluminium (back side)

by screws or rivets onto the aluminium or wooden substructure Fixing

Coating high-grade two-layer stove-enamel finish, front side Duragloss 5000, back side protective varnish

4,010 x 1,500 x 4.0 mm other sizes and cuts as well as processing (cutting, milling, drilling) possible

Weight 7.5 kg/m²

The Facade Shapes your Image!

A company building is the largest business card of a company - and the more personalized it is desig**ned, the more impressive it is.** The PREFA aluminium composite panel allows you to quite literally show your true colours and thanks to the various processing options, you can create a lasting impression even before the visitors have ever taken their first step into the interior. You yourself might be impressed by the PREFA service: For instance, we offer you particularly short delivery times and competent consultation throughout the entire project even with small quantities.















Product: PREFA aluminium composite panel Colour: special colour Location: Zagorje ob Savi, Slovenia Architecture: AKA d.o.o. Installation: Deželak Janko s.p.



Even Small Surfaces Show Greatness.

What would modern architecture be without PREFA aluminium composite panels? With their almost limitless applications and homogeneous appearance, they also create a great effect where small surfaces are supposed to make a big impression.





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GIVING FORM TO THE ROOF PARAPET WITH THE EDGED PREFA ALUMINIUM COMPOSITE PANEL

hohlwand 20cm hohldiele 40cm

Object-Based Special Solution

The Musikverein (Music Association) Zwettl was founded in 1887. The old rehearsal room on the top floor of the municipal office neither reflected the national importance of the Musikverein nor did it meet the acoustic requirements. By moving the Musikverein, space was created for the growing administrative tasks in the existing building. The positioning of the new building defines the previously undefined space and upgrades the entrance area to the municipal office.

In addition, it opens up the possibility for concerts of the Musikverein in close proximity to the rehearsal room. In its contemporary, reduced, cubic design language, the new

building forms a deliberate contrast to the neighboring municipal office. In order to illuminate the ground floor with its social rooms, the building structure hovers slightly above a circumferential band of windows. Outwardly, only the actual rehearsal room with a ceiling height of five metres is apparent. The facade design in the form of gold colored, diamondshaped PREFA aluminium composite panels was derived from the brass band instruments and the pattern of the Musikverein costumes. By building a new home for the musicians, the municipality of Zwettl sets a confident signal that reflects the significance of the Musikverein in the municipality and beyond.

Clear Facts: The Facade Delivers What PREFA Promises.

TECHNICAL DETAILS

The PREFA aluminium composite panel offers nothing but advantages: It is highly resistant to corrosion and weather, has a high flexural strength and impact resistance. The PREFA aluminium composite panel also provides great design latitude with all the advantages of a rear-ventilated cladding facade. All of this with a minimum weight of 7.5 kg/m².

LOW FLAMMABILITY

Only the best quality for the highest standards. For this reason, the PREFA aluminium composite panel is already fitted with the FR-core by default.





oduct: PREFA aluminium composite panel Colour: brown grey Location: Eidenberg, Austria Architecture: Arkade ZT GmbH Installation: Harald Seyr GmbH

Coil-coated aluminium (front side) FR core Coil-coated aluminium (back side)

CERTIFICATIONS

Country Classificatio			
Austria	FR	EN 13501	B-s1-d(
Germany	FR	DIN	B1
Switzerland	FR	VKF	5.3

General

building authority approval

GENERAL KEY FIGURES

ELEMENT	UNIT	COMPOSITE PANEL FR
Thickness	mm	4
Weight	7.5 kg/m	2
Sound insulation	dB	26
Expansion coefficient	mm/m/°C	0.024

WEIGHT COMPARISONS

Weight composite panel FR (kg/m²)	7.5
Material thickness (mm)	4
Weight fiber cement facade panel (kg/m²)	арргох. 12.
Standard thickness (mm)	8
Weight HPL-facade panel	арргох. 11
Standard thickness [mm]	8

Faster, Better, With More Endurance: From Installation Sprint to Marathon Deployment.

FIXING OPTIONS



The panels can be professionally fastened to the metal substructure using the PREFA facade rivets.



SCREWS
The PREFA screw system is used with the wooden substructure.



ADHESIVE BONDINGThe plates are mounted without any visible fixing elements.

PROCESSING OPTIONS









DRILLING





MILLING ROLL BENDING CONTOUR MILLING

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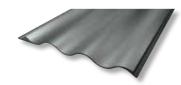


The Magic of Modern Architecture: Innovative Technology, Creatively Implemented.



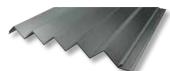
PREFA PROFILE SHAFT

Bold "architectural ideas are in demand. The material already stands ready for this: the profile shaft from PREFA made of 2 mm thick, extruded aluminium alloy for maximum mold strength and durability, even under extreme loads. The concealed fixing, the fine material structure and the elegant appearance make extruded profiles the ideal material for architectural projects that are supposed to outlast generations.



PREFA ZIG-ZAG PROFILE

The zig-zag profile creates very individual views of a building. The interplay of light and shadow on the facade caused by the serrations is particularly appealing. With fascinating lighting effects on large facades through the PREFA zig-zag profile, creative architects create magic that inspires each day anew. The high quality of the material and the conscientious execution guarantee decades of joy with this facade.



PREFA CORRUGATED PROFILE

Often the true art consists in providing an inconspicuous object with a striking elegance. The roll-formed PREFA profiles bring new creative freedom with an optimized budget to projects. Particularly attractive in this regard: the PREFA corrugated profile can be rounded both lengthwise and crosswise to the profile direction.



TECHNICAL DATA PREFA EXTRUSION PROFILES

Material extruded aluminium alloy,

incl. a wide range of accessories

Fixing by screws in a concealed manner,

Surface blank, powder-coated

or naturally anodised

Dimensions Profile height/distance between/material thickness

Profile shaft 10/47/2.00 mm, Width 140 mm

Zig-zag profile 22/40/2.00 mm, Width 200 mm

Profile shaft: 6.62 kg per m² Zig-zag profile: 7.5 kg per m² Weight

TECHNICAL DATA PREFA CORRUGATED PROFILE

Material color coated aluminium alloy,

front side coil-coated with protective foil, back with protective varnish

Fixing by screws on the aluminium substructure

Size 1,068 mm, standard length 6000 mm (object-related custom lengths possible)

Wave distance 76 mm

Profile height

Weight 3.3 kg/m² (with a material strength of 1.0 mm),

2,3 kg/m² (with a material strength of 0.7 mm),

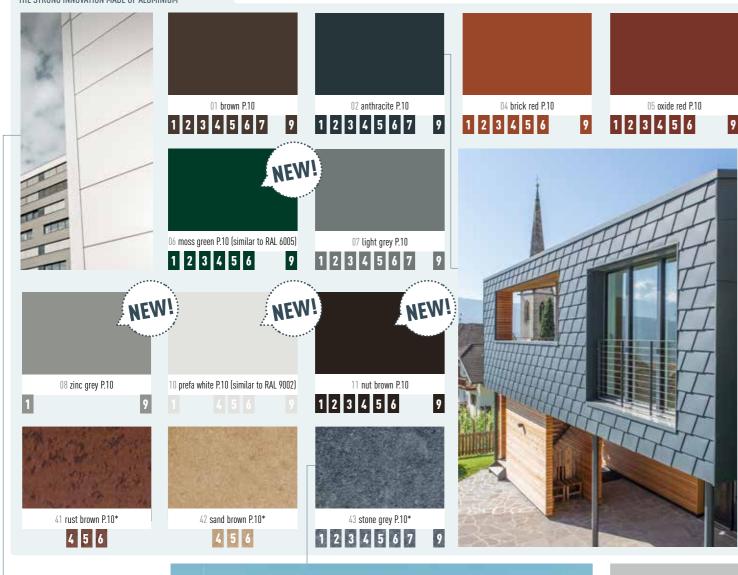
Product: PREFA corrugated profile Colour: metallic silver Location: Austria Architecture: Schaffer



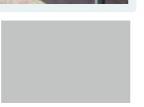
PREFA COLOUR RANGE For Facade Systems

PREFA P.10

- 1 Rhomboid panel 20x20
- 4 Facade panel FX.12
- **7** Siding 300 x 1.20 mm
- **2** Rhomboid panel 29x29 | 44x44 **3** Facade shingle
- **5** Siding 138 x 0.70 mm
- **6** Siding 200 x 1.00 mm
 - 8 Aluminium composite panel 9 Prefalz



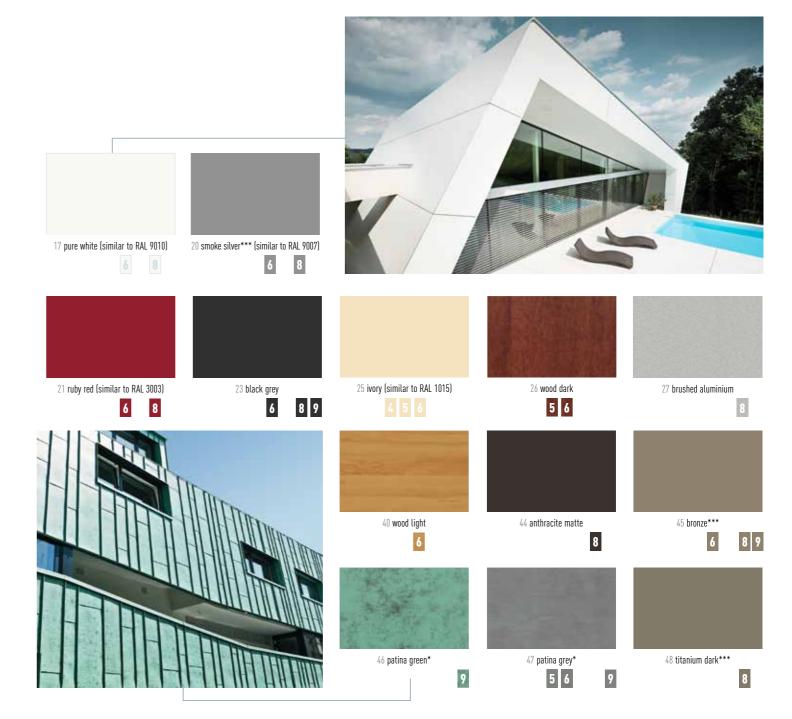






1 2 3 4





- The colour stone grey P10 is modeled on a basic colour scheme and is subject to a natural fluctuation range of the colour that gives the product its distinctive character. The same applies to the colours sand brown, rust brown, patina green, patina grey and natural blank.
- ** Changes to the surface appearance due to processing are not covered by the warranty. Observe the instruction sheet.
- *** During the coating of metallic colours, colour differences may occur.

12 metallic silver (similar to RAL 9006)

ROOF & FACADE



ROOF AND FACADE SYSTEMS SMALL-FORMAT

FOR ROOF AND FACADE

PREFA ROOF TILE R.16 NEW!

Size 600 x 420 mm in the installed area

Size 700 x 420 mm in the installed area

Size 420 x 240 mm in the installed area

Size 290 x 290 mm in the installed area

PREFA ROOF RHOMBOID PANEL 44x44 NEW!

Size 437 x 437 mm in the installed area PREFA RHOMBOID PANEL 20x20 FOR FACADE

Size 200 x 200 mm in the installed area

PREFA RHOMBOID PANEL 29x29 FOR FACADE SIZE 290 x 290 mm in the installed area

PREFA ROOF AND FACADE PANEL FX.12

FOR ROOF AND FACADE

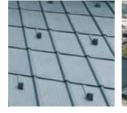
PREFA RHOMBOID PANEL 44x44 FOR FACADE NEW! **SIZE** 437 x 437 mm in the installed area

PREFA ROOF AND FACADE SHINGLE

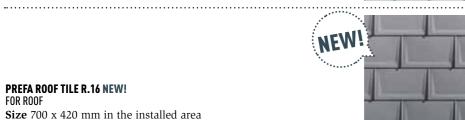
PREFA ROOF RHOMBOID PANEL 29x29

FOR ROOF AND FACADE

FOR ROOF AND FACADE















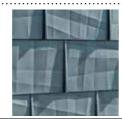
















Size 700 x 420 mm and 1.400 x 420 mm









PREFA ALUMINIUM COMPOSITE PANEL

FOR FACADE

Size1,500 x 4,010 x 4.0 mm





PREFA SIDING

0.7 x 138 x 500 to 6,200 mm 1.0 x 200 x 500 to 6,200 mm 1.2 x 300 x 500 to 6,200 mm





PREFALZ

FOR ROOF

Size 0.7 x 500 mm, 0.7 x 650 mm

Size 0.7 x 500 mm





PREFA EXTRUSION PROFILES

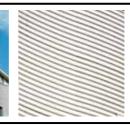
PREFA PROFILE SHAFT FOR FACADE

Size 10/47/2.0 mm, width 140 mm | **Weight** 6.62 kg/m²

PREFA ZIG-ZAG PROFILE FOR FACADE

Size 22/40/2.0 mm, width 200 mm | **Weight** 7.5 kg/m²





PREFA CORRUGATED PROFILE

Size 18/76/0.7 or 1.0 mm, width 140 mm **Weight** 2.3–3.3 kg/m²









INDIVIDUAL COMPONENTS FOR GUTTER AND PIPE Round roof gutters, box gutters, edge gutters





PREFA SQUARE PIPE

INDIVIDUAL COMPONENTS FOR GUTTER AND PIPE Dimensions 100 x 100 mm

SOLAR MOUNTING SYSTEM AND ACCESSORIES



THE PREFA GROUP

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www.prefa.com

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