



**THE ROOF
STRONG LIKE A BULL!**

THE WEATHER IS BECOMING MORE EXTREME

BUT IT'S MET ITS MATCH WITH YOUR ROOF





ADVANTAGE **1** **STORM- PROOF**

BECAUSE EACH PREFA ALUMINIUM ROOF TILE IS FIXED IN PLACE TO BE STORM-PROOF

If there's a storm brewing, there's no time to lose: close the windows, bring anything in that's lying around loose on the balcony or terrace, move your car into the garage. And then: wait it out. With an aluminium roof from PREFA, you've got one less thing to worry about – your roof will hold up! The PREFA roof professionals haven't rated our roof "strong like a bull" for nothing. With its unique covered fixing with patented lead tacks and cross bracing layout, your PREFA aluminium roof will withstand even the most extreme of storms. The more exposed the position, the more patented lead tacks will be used - and the type of fixing (with nails or screws) is also adapted to the wind load. This makes every PREFA aluminium roof extremely storm-proof.





Schilthorn, 2,971 m above sea level, Switzerland, PREFA anthracite roof tiles.

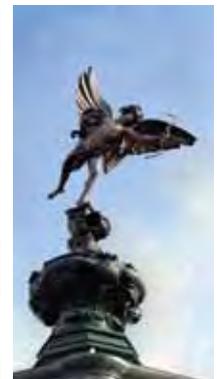


ADVANTAGE **2**

RUST-PROOF

BECAUSE A PREFA ROOF IS MADE FROM ALUMINIUM WHICH MEANS IT DOESN'T RUST

Rust marks on surrounds, gutters and drain pipes – a frequent sight on older houses, but it doesn't have to be like that. Not today, not tomorrow and not in 100 years' time. This has been proved by the roof of the San Gioacchino church in Rome (1897), the Eros statue in London's Piccadilly Circus and the top of the 170 m Washington Memorial, which were all made from aluminium over 100 years ago and still remain rust-free today. How does that work? Over the years, aluminium builds up a protective layer that always reseals itself if it is damaged. This makes it entirely weather-resistant and guaranteed to be rust-proof.



PREFA anthracite shingles

PREFA ROOF TILES TECHNICAL DATA:

Material: coated aluminium,
0.7 mm thick, two-layer stove-enamelling

Size: 600 x 420 mm in laid area

Weight: 1 m² = approx. 2.3 kg = 4 tiles

Load-bearing capacity: max. 800 kg/m² (distributed load with 800 mm counter-batten clearance with max. batten clearance of 419 mm with intermediate batten - max. 210 mm - or full boarding)

Pitch:

as of 12° = approx. 21% (for rafter lengths up to 7 m)

as of 14° = approx. 25% (for rafter lengths of 7-12 m)

as of 16° = approx. 29% (for rafter lengths of over 12 m)

Installation: full boarding at least 24 mm thick with separating layer or 50 x 30 mm battens with intermediate batten

Fixing: 2 x aluminium patented lead tacks per tile
= 8 lead tacks per m²



ADVANTAGE **3** BREAK- PROOF

**BECAUSE A
PREFA ALUMINIUM ROOF
DOESN'T BREAK EVEN IN THE
WORST WEATHER**

Even when temperatures drop and the snow seems to keep on falling, you have nothing to worry about. Your PREFA aluminium roof is guaranteed to hold up. The highest of snow loads is absolutely no problem for our roofs. They won't break. Temperature fluctuations between daytime and night-time and the resultant thaw and frost are also no problem for an aluminium roof.



PREFA anthracite roof tiles



PREFA oxide-red shingles



PREFA ROOF TILES TECHNICAL DATA: MATERIAL:

Material: coated aluminium, 0.7 mm thick, two-layer stove enamelling

Size: 420 x 240 mm in laid area

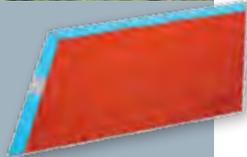
Weight: 1 m² = approx. 2.5 kg = 10 shingles

Load-bearing capacity: max. 800 kg/m² (distributed load with 800 mm counter-batten clearance and full boarding)

Pitch: as of 25° = 47%

Installation: full boarding at least 24 mm thick with separating layer

Fixing: 1 x aluminium patented lead tack per shingle = 10 lead tacks per m²



ADVANTAGE **4** **LIGHT!**

BECAUSE A PREFA ALUMINIUM ROOF WEIGHS ONLY 1/10 OF A CONVENTIONAL ROOF

At 2.3 – 2.6 kg/m², a PREFA roof is only a fraction of the weight of a conventional roof (approx. 35 – 55 kg/m²). With a standard roof area for a single-family house of approx. 200 m², your roof truss therefore has to cope with a good two tonnes less in weight. Your PREFA aluminium roof is extremely hard-wearing and long-lasting, guaranteed to hold up under even the most extreme weather conditions (such as high snow volumes, high temperature fluctuations and storms). It's not just about size and weight either: it's also about the best possible quality.



ADVANTAGE 5

BEAUTIFUL!

BECAUSE A PREFA ALUMINIUM ROOF REPRESENTS BOTH MODERN, CONTEMPORARY ARCHITECTURE AND TRADITIONAL BUILDING WORKMANSHIP

The roof plays a central role in architecture. It can significantly alter a house's appearance. Gabled roof, hip roof, single-pitch roof, domed roof, arched roof, flat roof – there are no limits to what you can choose as a design. PREFA aluminium roofs offer you flexible solutions for contemporary architecture that will make you feel right at home.



ADVANTAGE 6

COLOUR-FAST

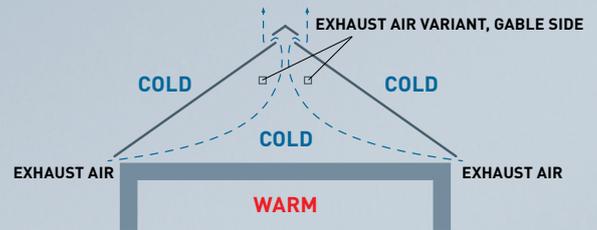
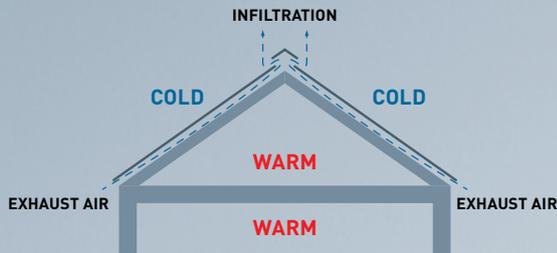
BECAUSE THE ENAMEL LAYER IS MALLEABLE AND PERMANENTLY TEMPERATURE- AND WEATHER-RESISTANT

Scorching-hot days, ice-cold nights – in high altitude areas, a 50°C difference between the daily max. and min. temperatures is a frequent occurrence. The roof surface is also subject to daily stress in more moderate zones. But a PREFA roof made from high-tech refined aluminium can take it. The high-quality enamel layer is malleable and therefore superbly protected against weathering and temperature fluctuations.



ROOF SYSTEM

PREFA aluminium roofs are always designed with ventilated substructures. This quickly removes any dampness and promotes the longevity of the roof structure and insulation. There are various assembly options, depending on whether you want to use the roof space as a warm living space or simply as a classic cold loft.



A ROOF SYSTEM FOR A WARM ROOF SPACE

PREFA recommends a double-shell roof system with counter-battens for a living space in the roof with optimum heat insulation. A separate level is included to ventilate the roof membrane. This means you can insert heat insulation between the rafters.

A ROOF SYSTEM FOR A COLD LOFT

With a single-shell roof system, the entire roof space is used for ventilation. You therefore need to ensure that the whole loft ceiling is fitted with optimum heat insulation.

Please note: This roof system is unsuitable for later conversion of the roof space into living space!

BEFORE



ADVANTAGE **7**

GREAT FOR RENOVATIONS!

BECAUSE THE LOW WEIGHT REDUCES THE COSTS OF A COMPLEX SUBSTRUCTURE

Old house, new roof – it sounds simple enough, but can be incredibly complicated and expensive when you use conventional roof tiles. All too often, the old roof truss needs to be equipped with expensive substructures and reinforcements to cope with the heavy load of modern roof tiles, ensuring that the structure remains stable. But this is where you can make real savings. If you use the much lighter PREFA aluminium roof, there's almost no need for any additional reinforcements. The new aluminium roof can be mounted quickly and simply on the old roof truss.

It's as easy as that!

AFTER



PREFA anthracite roof tiles

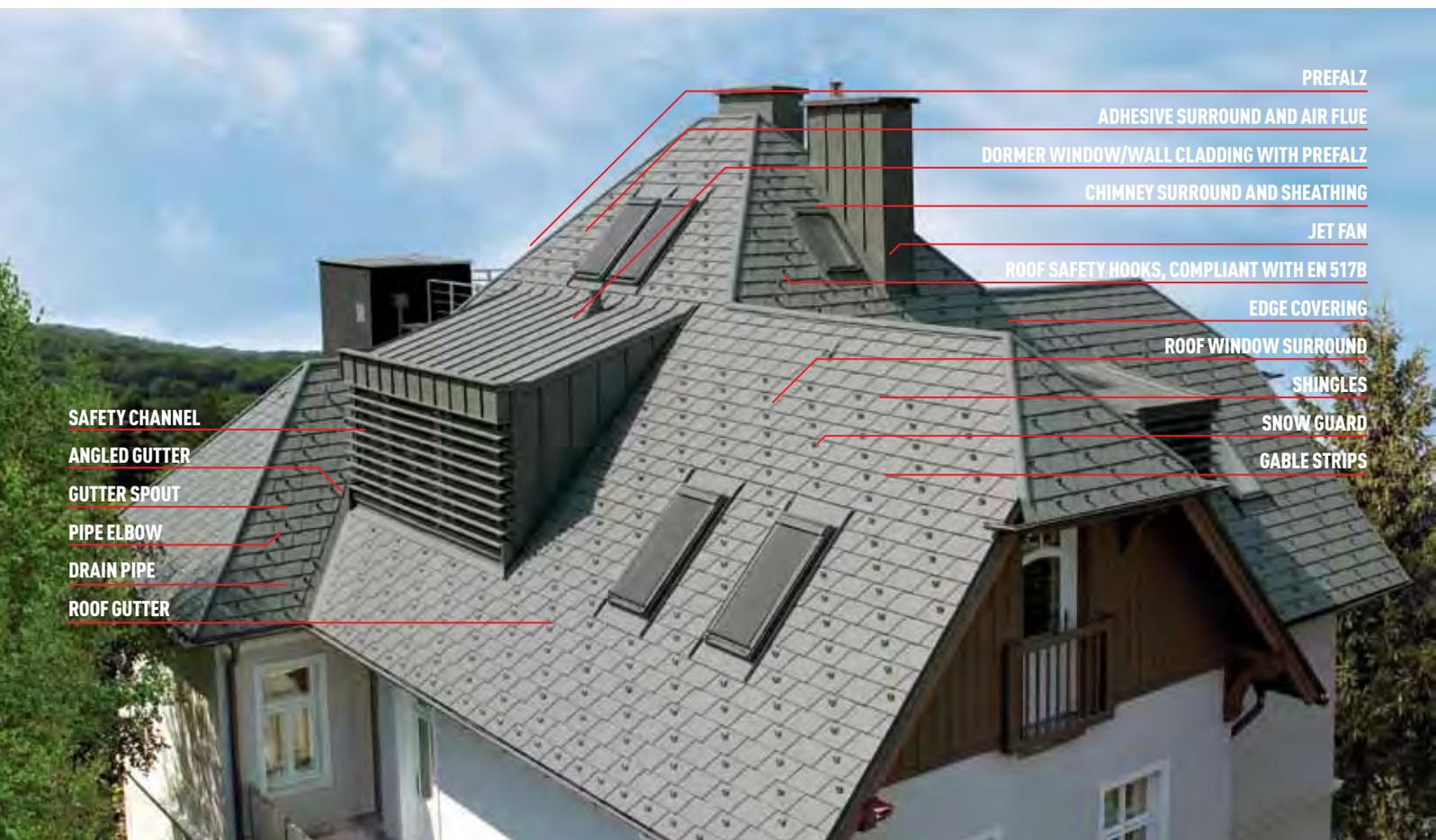


ADVANTAGE **8**

COMPLETE SYSTEM

**BECAUSE THE PREFA COMPLETE SYSTEM
ALLOWS OPTIMUM INTERPLAY BETWEEN ROOF,
GUTTER, FAÇADE AND SOLAR ELEMENTS**

PREFA doesn't just specialise in strong roofs, it also produces high-quality roof drainage systems, façades and solar solutions. With more than 4,000 different products made from aluminium, we offer you the ideal complete solution for creative, comprehensive roof and façade designs.





PREFA anthracite folding shingles

ROOF SYSTEMS – PERFECT FOR ALL REQUIREMENTS

Old roofs with dormers, skylights and domes can be given a new, high-quality covering in exactly the same shape. New long-term, low-maintenance architectural solutions can be implemented perfectly with PREFA aluminium products.

ROOF DRAINAGE – MAXIMUM DESIGN FREEDOM

Our roof guttering systems have been a tried-and-tested hit for decades, thanks to their refined and detailed technical solutions. They are available in 10 standard colours and every imaginable shade upon request – from tone-on-tone to deliberate architectural highlighting using contrasting colours.

FAÇADES – THE IDEAL SOLUTION FOR GENERATIONS

More and more builders are turning to the quality façade products offered by PREFA, thanks to their high quality and longevity, as well as the fact that aluminium façades do not rust, which means that they do not become permanently soiled. The different systems allow for a high degree of design freedom and offer the right solution for every house.

SOLAR – A SOLAR POWER STATION ON YOUR ROOF

With the two solar elements - PREFA solar roof tiles and PREFALZ SOLAR - we offer a great-looking solution for all environmentally-conscious builders. Integrated into the roof tiles/standing seam roof, the solar and photovoltaic elements are only visible from close range and offer a high level of efficiency, safety and longevity.

PREFA FOLDING SHINGLES TECHNICAL DATA:

Material: coated aluminium, 0.7 mm thick, two-layer stove enamelling

Size: 290 x 290 mm in laid area

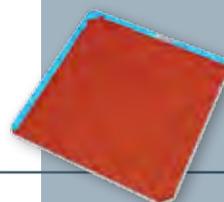
Weight: 1 m² = approx. 2.6 kg = 12 tiles

Load-bearing capacity: max. 800 kg/m² (distributed load with 800 mm counter-batten clearance and full boarding)

Pitch: as of 25° = approx. 47%

Installation: full boarding at least 24 mm thick with separating layer

Fixing: 1 x folding shingle lead tack per folding shingle = 12 lead tacks/m²





ADVANTAGE 9

ENVIRONMENTALLY FRIENDLY

BECAUSE ALUMINIUM IS 100% RECYCLABLE

FLATTER THAN THE REST

The current construction trend is for flat roofs that are less exposed to the wind. While conventional roof tiles require a pitch of at least 10°, a PREFALZ aluminium roof can be laid at a pitch of only 3°*. This opens up new and exciting design and architecture options for planners, architects and builders.

* Note minimum pitch in Austria: 5° (other countries 3°)

At a time when careful interaction with the natural world needs to be second nature, aluminium has once again proved its worth. The lightweight material is an absolute recycling champion! Aluminium can be reused again and again, saving 95% of production energy. What's more, its quality does not diminish during recycling, as shown by this impressive statistic: 85% of aluminium demand in the construction industry is already covered by reused aluminium. If you also take the low weight and longevity (no breaking, rusting or freezing) of a PREFA aluminium roof into account, our products have an incredibly positive energy balance.

STANDARD COLOURS

BRAND NEW!
PREFA P.10
IMPRESSIVE ALUMINIUM INNOVATION



	Tiles	Shingles	Folding shingles	PREFALZ	PREFALZ Deluxe	Roof gutter
brown P.10	•	•		•		
anthracite P.10	•	•		•		
oxide red P.10	•	•		•		
light grey P.10	•	•		•		
stone grey P.10	•	•		•		



brown (basic colour)			•			•
anthracite (similar to RAL 7016)			•			•
red brown (similar to RAL 8012)	•	•	•	•		
brick red (similar to RAL 8004)8012)	•	•	•	•		•
oxide red (similar to RAL 3009)			•			•
moss green (similar to RAL 6005)	•	•	•	•		•
light grey (similar to RAL 7005)			•			•
zinc grey (standard colour)	•	•	•	•		•
opal green (standard colour)				•		•
PREFA white (similar to RAL 9002)				•		•
nut brown, testa di moro (standard colour)				•		•
metallic silver (similar to RAL 9006)				•		•
natural blank				•		•
dolphin grey (basic colour)					•	
titanium (standard colour)					•	
cyclamen green (basic colour)					•	

For details of PREFA guarantee conditions, please see our website "www.prefa.com/garantie"



PREFALZ metallic silver



PREFALZ TECHNICAL DATA

Dimensions:

0.7 x 500 mm (fold clearance between centre lines 430mm)

0.7 x 650 mm (fold clearance between centre lines 580mm)

0.7 x 1,000 mm (extension band)

Alloy: in compliance with EN 573

Fold quality: in compliance with EN 1396

Standard sizes:

500 mm band width

60 kg (internal Ø = 320 mm) approx. 63 rm

500 kg (internal Ø = 500 mm) approx. 529 rm

650 mm band width

60 kg (internal Ø = 320 mm) approx. 49 rm

500 kg (internal Ø = 500 mm) approx. 407 rm

To cover single-pitch roofs, we recommend using PREFALZ with a band width of 500 mm in exposed areas.



ADVANTAGE 10
40-YEAR
GUARANTEE
ALUMINIUM OFFERS LIFELONG QUALITY

It doesn't come loose. It doesn't rust. It doesn't break. Because a PREFA aluminium roof is a high-quality product manufactured in Austria and Germany. Processed professionally and painstakingly. Fixed in place and covered well. Folded around the edge with gable strips to ensure it is storm-proof. And with a colour-fast finish with two-layer stove enamelling. We offer you an amazing 40-year guarantee on your PREFA aluminium roof - guaranteed peace of mind.



TILES:

Roof tiles: for roofs, façades and solar elements

Size: 600 x 420 mm in laid area

Weight: 1 m² = approx. 2.3 kg = 4 tiles

Pitch: from 12°

Installation: full boarding with separating layer or batten



SHINGLES:

for roofs and façades

Size: 420 x 240 mm in laid area

Weight: 1 m² = approx. 2.5 kg = 10 shingles

Pitch: from 25°

Installation: full boarding with separating layer



FOLDING SHINGLE:

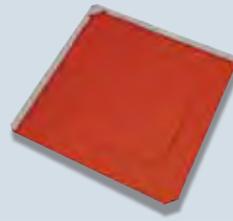
for roofs and façades

Size: 290 x 290 mm in laid area

Weight: 1 m² = approx. 2.6 kg = 12 folding shingles

Pitch: from 25°

Installation: full boarding with separating layer



PREFALZ:

for roofs, façades and solar elements

Size: 0.7 x 500 mm, 0.7 x 650 mm

Weight: approx. 1.89/m²

(effective consumption 2.3-2.5 kg/m²)

Installation: full boarding with separating layer



EXTRUDED PROFILE:

for façades

Size:

profile shaft: 10 / 47 / 2.00 mm, width 140 mm

Zig-zag profile: 22 / 40 / 2.00 mm, width 200 mm

Shell profile: 19 / 70 / 2.00 mm, width 140 mm

Weight:

profile shaft: 6.62 kg/m²

Zig-zag profile: 7.5 kg/m²

Shell profile: 7.65 kg/m²

Installation: Wood or aluminium substructure, using screws or rivets



CORRUGATED PROFILE:

for façades

Size: 18/76/0.7, 0.8, 1.0 mm,

width 1,143 mm, length: 6,000 mm

Weight: 2.3, 2.6, 1.0 kg/m²

TRAPEZOIDAL PROFILE:

for façades

Size: 35/207/0.80 mm, width: 1,035 mm, length: 6,200 mm

Weight: 2.6 kg/m²

Installation: Wood or aluminium substructure, using screws or rivets



OUR PRODUCTS AT A GLANCE

REYNOBOND:

for façades

Size: 1,500 x 4,010 x 4.0 mm

Weight: approx. 5.5 kg/m²

Installation: Aluminium or wood substructure, using screws, rivets or adhesive



SIDING:

for façades

Size: 0.7 x 138 x 500 bis 6,200 mm

1.0 x 200 x 500 bis 6,200 mm

1.2 x 300 x 500 bis 6,200 mm

Weight: approx. 3.30 to 4.30 kg/m²

Installation: Wood or aluminium substructure, using screws or rivets



RHOMBOID PANEL 20X20:

for façades

Size: 200 x 200 mm in laid area

Weight: 1 m² = approx. 2.8 kg = 25 rhomboid panels

Installation: full boarding (at least 1 inch thick)



ROOF GUTTER:

Dimensions:

25 - roof gutter, box gutter

28 - roof gutter

33 - roof gutter, box gutter

40 - roof gutter, box gutter

700 x 1.0 mm - edge gutter (eaves gutter)



SOLAR ROOF TILES:

Dimensions: Length: 600 mm, width: 420 mm

thickness: 3.5 mm (0.7 mm sheet thickness)

Performance/module: 18.75 Wp (+/- 10%)

Solar cell: monocrystalline solar cells

Inspections: IEC 61215 certification pending, certified as Protection Class II equipment

Subsurface: PREFA coloured aluminium roof tiles



PREFALZ SOLAR:

Description: PS.68

Dimensions: Length: 2,849 mm, width: 394 mm, thickness: 2.5 mm

Performance/module: 68 Wp

Description: PS.136

Dimensions: Length: 5,486 mm, width: 394 mm, thickness: 2.5 mm

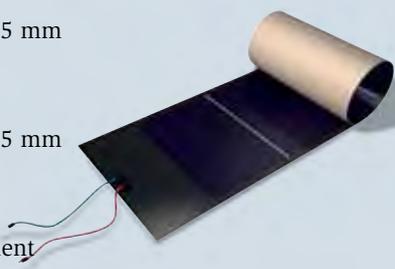
Performance/module: 136 Wp

Solar cell: Thin film solar cells

Inspections: IEC 61646, certified as Protection Class II equipment

Subsurface: Coloured aluminium bands from PREFA

Installation not permitted on galvanised or painted sheets or other roofing materials.



FOR DETAILS OF OUR COLOUR RANGE, SEE OUR WEBSITE WWW.PREFA.COM



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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 HAS OFFICES IN THE FOLLOWING COUNTRIES:

Austria, Germany, Switzerland, Italy, Netherlands,
Denmark, Czech Republic, Slovakia, Hungary, Poland,
Slovenia, Croatia, Estonia, Latvia, Lithuania, Russia