STANDING SEAM ROOF PREFALZ

Innovative and regular PREFALZ standing seam is ready to work with practically all roof shapes and roofing materials.

Roof shape ✓ ✓ ✓ ✓ ✓ ✓ **Roof materials** ✓ ✓ ✓ ✓ ✓ ✓ **Show advantages for all subjects**

+ SEND A QUOTATION

Front fastened roofs for complex roof extensions, dormer or large-scale roofs – PREFALZ standing seam roofing systems are suitable for **roofs with a slope as low as 3°**. **Long-term quality of all** PREFALZ is supplied in numerous colors with a wide range of colors available on request.

PREFALZ roofs can be **clearly used as complementary roofs** for PREFA pitched roof products – suitable for **various connections and flashings** in the dimensions 0.70 m and 0.40 m and 0.30 m.

It should be particularly emphasized that the PREFALZ aluminium roof complies with requirements for classification "E" – thus **non-combustible**, according to DIN 13501-1. **You will find more information on fire protection here.**

PREFALZ offers **numerous options in terms of colour and shape**. Thanks to the patented PREFALZ fastening system, the roof can be installed very quickly and also the overall costs are very low. With the **total weight of between 3 and 5 kg/m²**, depending on the tray width, PREFALZ is suitable for roof renovations as well as for new buildings, as it adapts perfectly to the different building methods. It can also be equipped with the wide range of **PREFA system accessories**.

PREFALZ benefits

FOR A WIDE RANGE OF APPLICATIONS
from curved architectural roofs to complicated roof extensions, dormer roofs, various gable roofs or large-scale roofs

EASY TO WORK WITH, HIGHLY RESILIENT
easy to work with since of low outside temperatures

40-YEAR GUARANTEE
on **standard roof colors** for products with PVDF surface

FIRE PROTECTION
PREFALZ non-combustible (A1)

COMPLETE SYSTEM
Extensive and coordinated system accessories, ensure safety and durability

NUMEROUS DESIGN OPTIONS
Very wide selection of standard colours as well as smooth and classic surfaces, suitable for PREFA's complete system

ENVIRONMENTALLY FRIENDLY
Aluminium is 100% recyclable without a loss of quality

LONG SERVICE LIFE
Aluminium does not rust

FOLD DETAILS

In the case of standing seam coverings, pre-profiled or folded panels are folded together to create a wrapped joint. The angled standing seam is primarily used for façades, while the flat standing seam is used on roof surfaces. The following two images show the cross sections of double and angled standing seams.

Double standing seam

Angled standing seam

INSTALLATION SYSTEMS AND APPLICATION TYPES

PREFALZ strips, also known as panels, are produced on all furnishers made of strip sheet.

These panels can be installed using sliding clips as a length of 1.0m. If appropriate additional measures are taken, longer panels are also possible. The long sheets allow easy safe and economical installation of the roof covering. The panel may always have a length of 1.0m, regardless of the roof pitch and roof shape.

Wind roofings and panel coverings consist of panels which are interrupted by transverse seams. They are often used in buildings with particularly high wind loads or are also used for design reasons.

PREFA TECH TIPS

EXPERT TIP

Easily designed with PREFALZ (very few bent sheets) and durability. PREFALZ is suitable for very low pitched roofs* with a roof pitch from 3° and can also be installed well even at low temperatures.

** Observe country-specific standards and specialist guidelines.

OVERVIEW OF PREFALZ COLOURS

PREFALZ offers a wide range of standard colours, mainly in P.10 quality, with a **10-year colour guarantee**. The paint coating is applied and fixed in several processing stages in the coil coating process. As a result, the coating layer is resilient and very weather-resistant.

COLOUR OVERVIEW (20)

COLOUR	CODE	COLOUR TO RAL COLOUR
01 P.10 brown	7012	
02 P.10 anthracite	7016	
03 P.10 black	9005	
04 P.10 dark red	8004	
05 P.10 oxide red	3009	
06 P.10 moss green	6003	
07 P.10 light grey	7005	
08 P.10 dim grey	7030	
10 P.10 pearly white	9002	
11 P.10 red brown	8016	
12 metallic silver	9006	
13 plain aluminium		
17 P.10 pure white	9010	
19 P.10 dark grey	7043	
23 black grey	7022	
30 P.10 pastel blue	5448	
40 P.10 stone grey	7031	
49 bronze	7048	
50 P.10 patina green	6017	
67 yellow grey	7042	

- The RAL values stated are merely approximate values (≈), some of which may differ vastly from the original colour. Deviations under certain circumstances may not affect the expected perception of the colour.
- Above all the colour specific P.10 is almost impossible to define values due to the surface structure. Depending on the light incidence, the colour may appear lighter or darker. Moreover, P.10 glitter pearl, colored oak, patina grey, walnut and grey oak are based on natural colours made up of several different shades.
- Colour deviations from the original sample, the appearance does not cover surface appearance alterations caused by processing and environmental influences. Follow the instructions.
- Metallic colors may vary in shade.
- For details and catalogs for complementary components please consult original samples.

+ SEND QUOTE

BE INSPIRED BY THE ROOF PROJECTS ALREADY IMPLEMENTED WITH PREFALZ

The standing seam technique is the classic application type for metal roofs. With this technique, the **building envelope** is roof and façade, so the roof is closed as large as it from a single material. The PREFALZ standing seam roofing system with **PREFA gutters** or **verging panel edging** as well as matching accessories is the ideal system for this purpose.

PREFALZ is also used for all shapes such as mansardways, wall coverings, wraps and roof more in PREFA small format roofs.

We have summarized here **Tips for choosing the right roof covering** for you here. You will find even more inspiration in the **Reference Gallery** or **Renovation Gallery**.

DO YOU HAVE ANY QUESTIONS ABOUT THE PREFALZ ROOF?

- Can I cover older roofs?
- Does a PREFA roof make more noise than other roofs?
- Does a PREFA roof rust?
- Is a PREFA roof suitable as lightning protection?
- Do PREFA roof and façade products burn? What about fire protection?
- Can hail damage a PREFA roof?
- Does a PREFA roof protect against electromagnetic interference?
- What degree of roof pitch is required for PREFA roofs?

TECHNICAL INFORMATION OF PREFALZ

MATERIAL	coil-coated aluminium, 0.7 mm thick
STANDARD DIMENSIONS	PREFALZ tray panels, 0.7/400 mm complementary coil, 0.7×1.000 mm
WEIGHT	approx. 3.0 kg/m² actual consumption with PREFALZ 390: approx. 3.3 kg/m² actual consumption with PREFALZ 400: approx. 3.3 kg/m²
ORIGINAL RAL COLOUR*	P. Coprecio (P.C) * Observe country-specific standards and specialist guidelines.
SUITABLE SURFACE FOR SYSTEMS OF SYSTEM LAYOUT	on fully boarded substrate (full formwork according to national guidelines), separation layer as required * Observe country-specific standards and specialist guidelines.
FASTENING	PREFA profilomat fixed and long sliding clips (stainless steel) according to static requirements

Caution: Mixing PREFALZ slabs with color-coated aluminium from competitive manufacturers, but also with other PREFA roofs, can lead to visible differences in color due to manufacturing tolerances and different surface qualities and subsequent differences in weathering. Only in this way can you make a harmonious looking façade even after many years. This must also be observed for weathervane, copenings and the like.

ROOF STRUCTURE

PREFA aluminium roofs are produced with a ventilated substructure, with the roof cover and thermal insulation layer separated by a ventilated gap. This means any occasional condensation can be carried away.

It is mostly the roof membrane that is ventilated, as shown in the first picture. However, the whole attic space can also be ventilated (second picture).

Attic can also be used as living space

The attic is not used as living space

SEPARATING LAYERS

Separating layers arranged directly under the roof covering can fulfil a variety of tasks. **Whether a separating layer is used or which separating layer is to be used should thus be already taken into account in the planning phase.**

Separating layers can:

- protect the wooden formwork or waterboard panels from moisture during the transport phase
- improve sound insulation (acoustic decoupling)
- compensate for minor unevenness in the roof structure
- serve as a temporary weatherproofing layer
- protect the metal on the underside against damaging alkaline influences and possible harmful chemicals in substrate
- support the roof covering and the sub-roof with regard to the temperature

Depending on the function that a separating layer is to assume, **a suitable product must be agreed with the respective manufacturer**. Depending on the roof structure, the roof covering may require additional sound insulation, the use of vapour barrier layers or even a separating layer, Bauder FDT UDS 5 NK or similar is recommended. If the separating layer is "only" intended to protect the substrate against damaging building phases, a thinner bitumen separating layer can be used e.g. Bauder FDT TS 35 NSK or similar.

PREFALZ

EXPERT TIP

Wind-profiled roofs with double standing seam coverings can cause noise due to strong winds. Here, we recommend using PREFALZ roofs with flat standing seam coverings or additional separating layer. Adequate sound insulation measures must always be taken into account when planning the roof structure.

TIPS FOR PROCESSING STANDING SEAMS

The length of the flood area is 1.0 metres depending on the panel length. Positioning of the flood clips must always be selected in relation to the existing roof plate layout, and associated rafter. Penetrations or the roof edge trap affect the position of the flood clips also. Elevations with variable flood clip areas must be separately separating clips.

ROOF PITCH	FLOODING IN THE FIELD OF RAFT
> 7° (7 cm % 5 %)	in the middle of the panel
> 15° (27 cm % 26 %)	in the upper third of the panel
> 30° (58 cm % 58 %)	in the upper quarter of the panel
> 50° (1 m % 119 %)	at the top of the panel

PLANNING & APPLICATION

Here, our installers and architects can download **classification documents** and **details** about PREFALZ in the **planning area**. We will find the info sheet about the maintenance with PREFALZ, installation guidelines for the roofmen, support for PREFALZ, installation instructions for Vario strip bracket with PREFALZ, the PREFALZ brochure, the PREFALZ installation instructions and the installation video for PREFALZ installation guidelines. The service area is only accessible for partner companies – please have your login details ready. Not received your log-in details yet? Please contact your **Local Sales Manager** in that case.

Special rates for our architectures and design studios. Of and BIM data, as well as textures for our products can also be found here: **digital planning**.

SPECIFICATIONS

Here you can find more about the specifications on our RBG platform.

+ RBG ABBY SPECIFICATION

DETAILS

Details Roof PREFALZ PREFA
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ACCESSORIES FOR PREFALZ ROOFS

Clips with stainless steel nails, screws or rivets are to be used to fasten standing seam applications. In order to ensure a sufficient cross-guard system, seam clamps including cross-guard plate and an integrated ice guard for standing seam coverings. These system accessories and others, such as the **PREFA roofing set**, are available from PREFA company partners.

Our PREFA roofing set contains all necessary components and tools for 5 square metres.

STAINLESS STEEL PREFORMED FIXED CLIP (SCREWED)

Not to be used on the façade in combination with the special screws for an aluminum and steel substructure!

STAINLESS STEEL PREFORMED SLIDING CLIP (SCREWED)

Panel length of up to 12 m. Not to be used on the façade in combination with the special screws for an aluminum and steel substructure!

STAINLESS STEEL PREFORMED LONG SLIDING CLIP (SCREWED)

Panel lengths of 12 m - 15 m. Not to be used on the façade in combination with the special screws for an aluminum and steel substructure!

MAGAZINE SCREWDRIVER FOR SCREWED CLIP

incl. attachment for magazine screws, for faster assembly

STAINLESS STEEL PREFORMED FIXED CLIP (NAILED)

-

STAINLESS STEEL PREFORMED SLIDING CLIP (NAILED)

for tray lengths of up to 12 m

STAINLESS STEEL PREFORMED LONG SLIDING CLIP (NAILED)

tray lengths 12 – 15 m

STAINLESS STEEL FISH TAILED FIXED CLIP

-

STAINLESS STEEL FISH TAILED SLIDING CLIP

tray lengths up to 12 m

SEALING GEL

in a cartridge or in a foil pouch

SINGLE PIPE SEAM CLAMP

for pipe openings with a diameter of 28 mm

DOUBLE PIPE SEAM CLAMP

for pipe openings with a diameter of 28 mm

SEAM CLAMP WITH OBLONG HOLE

for pipe openings with a diameter of 28 mm

SNOW GUARD PIPE

for seam clamps; 28 × 2 × 3.000 mm,

CORNER CONNECTOR 90°

for snow guard pipes ø 28 × 2 mm

ICE STOPPER

for snow guard pipes 28 × 2 mm

SUNNY SOLAR BRACKET

suitable for all PREFA small format products and standing seam systems.

VARIO PREFALZ SOLAR BRACKET

Suitable for PREFA double-lock standing seams with a seam height of 25 mm. Available with or without cross connectors. Only suitable for processing PREFA profile rails, and not compatible with other products.

WALKWAY SUPPORT FOR STANDING SEAM ROOFS

roof pitch: 5°-55°

WALKWAY SUPPORT FOR STANDING SEAM ROOFS

250 × 1.200 mm, 250 × 800 mm, 250 × 600 mm, tested according to DIN EN 516-1-A

WALKWAY CONNECTOR

-

ROOF ANCHOR HOOK ACCORDING TO EN 517 – B SDH INDUSTRY 31

tested for securing 2 persons

FROG-MOUTH VENT COVER

for riveting, air intake section approx. 30 cm²

VENT PIPE

Ø 100 mm, Ø 120 mm including EPDM seal and cover

BONDED VENT PIPE COVER FOR STANDING SEAM ROOFS

roof pitch: 3°-52°

ROOF HATCH COVER AND WOODEN FRAME

roof pitch from 12°

ROOF WINDOW FLASHING FOR PREFALZ

available in many dimensions

SPECIAL ADHESIVE KIT

Content: 1 cartridge of PREFA special adhesive 290 ml, 1 can of adhesive cleaner 60 ml, 1 piece of sandpaper, 1 cloth, 2 adapter nozzles

SHOW MORE

Your house with the PREFA look

Our photo montage shows you how attractive your house would look with a PREFA roof or PREFA façade.

TO THE PHOTO SERVICE

Configurator for roof & façade

Design your (dream) home with the PREFA online configurator. Choose from a variety of products and colours for your very own roof and facade design.

GET FREE IDEAS NOW!

Order free brochures

Roof, façade, solar, roof drainage and flood protection – PREFA aluminium products ensure that your house not only looks good but is also well protected!

ORDER FOR FREE