



PREFABOND



PREFA'S COMPLETE SYSTEM

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



PREFA is not just the strong roof specialist, but also produces high-quality roof drainage systems, façades, solar panel supporting substrates, flood protection systems and much more. Thanks to PREFA's complete system consisting of over 5,000 different products, a uniform and harmonious building shell can be created to suit your own individual ideas.

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.

P.10 COLOUR QUALITY

PREFA's complete system is available in the most popular colours **and in P.10 quality**. This means that all PREFA roof, façade and accessories match perfectly, and the matt surface of the P.10 paint creates a high-quality look wherever it is used.

MOUNTING BY TRAINED PROFESSIONALS

To ensure a perfect installation, PREFA roofs and façades should only be mounted by trained professionals. This gives owners and planners maximum security.

MODERN CLADDING FOR YOUR BALCONY

The PREFABOND aluminium composite panel is also ideal for use as balcony cladding: the high-quality surface coating remains weather-resistant for decades, retains its colour extremely well, and is also dirt-resistant. What's more, it ensures an elegant, uniform appearance, demonstrating architectural sophistication, on large and small surfaces.

PREFA'S COMPLETE SYSTEM CONSISTS OF:

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.

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.

FAÇADE SYSTEMS

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

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.



PREFABOND ALUMINIUM COMPOSITE PANEL

Modern and versatile

The PREFABOND aluminium composite panel offers almost unlimited design options. The long-lasting material can be used for new builds as well as renovations and also gives the interior design a special appearance. The PREFABOND aluminium composite panel can be screwed onto timber supporting substrate, riveted onto aluminium supporting substrates and glued on in both cases. In this way, it creates an elegant, uniform appearance on both large and small surfaces, very deliberately demonstrating architectural sophistication.



TECHNICAL DETAILS

The PREFABOND aluminium composite panel has nothing but advantages to offer. For example, it is highly resistant to corrosion, particularly weather-resistant, and has high deflection stiffness and shock resistance. In addition, PREFABOND aluminium composite panels offer a high degree of design freedom with all the advantages of rainscreens.

LOW FLAME SPREAD

Only the best quality will do for the highest demands. For this reason, the PREFABOND aluminium composite panel is already fitted as standard with a fire-retardant core. Due to its reaction to fire, the FR core corresponds to class B-s1, d0 in accordance with EN 13501-1. The PREFABOND composite panel is also available on request with an A2 core which, due to its reaction to fire, corresponds to fire rating A2-s1, d0 in accordance with EN 13501-1.

TEMPERATURE RESISTANCE

The PREFABOND composite panel is also ideally suited to extreme conditions. It can be used in a temperature range of -50 to +80 °C.

PROCESSING OPTIONS



SAWING



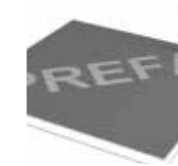
DRILLING



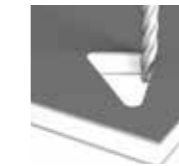
NOTCHING



V-SLOT MILLING



ENGRAVING MILLING



CONTOUR MILLING



PANEL BENDING

MOUNTING OPTIONS



RIVETING

The panels can be professionally fastened to metal supporting substrates with PREFABOND façade rivets.



SCREWING

The PREFABOND screw system is used on timber supporting substrates.



ADHESIVE BONDING*

The panels can be mounted without any visible fasteners.

* The processing and installation instructions of the adhesive manufacturer must be observed.

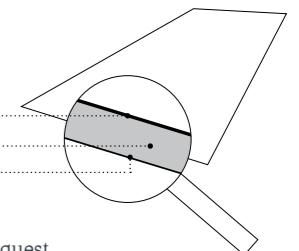
MILLING, DRILLING AND FOLDING — THE PREFABOND ALUMINIUM COMPOSITE PANEL PUTS UP WITH EVERYTHING.

Another advantage are the variety of mounting options: the PREFABOND aluminium composite panel can be screwed onto timber supporting substrates, riveted onto aluminium supporting substrates and glued on in both cases. The versatile machining options such as milling, drilling and folding enable unique façade surfaces to be created.

TECHNICAL DATA — PREFABOND ALUMINIUM COMPOSITE PANEL

- Material
coil-coated aluminium (front), FR core (fire retardant)*, aluminium with protective paint (reverse)
- Dimensions
4,010 × 1,535 × 4.0 mm
usable format: 4,000 × 1,525 × 4.0 mm
other formats and processing options (cutting, milling, drilling) possible
- Weight
7.6 kg/m²
- Fastening
on timber supporting substrate: screwed down or glued
on aluminium supporting substrate: riveted or glued according to static requirements
- Coating
high-quality coil-coating finish
front: Duragloss® 5000 or P.10; reverse: protective paint

coil-coated aluminium (front)
FR core (fire retardant)¹⁾
aluminium with protective paint (reverse)

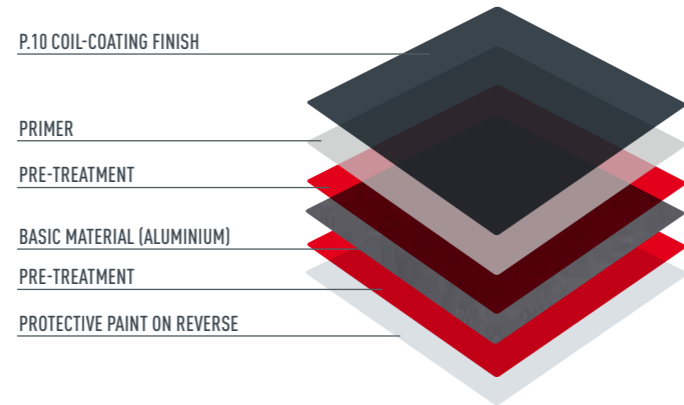


¹⁾ project-specific A2 core on request

P.10 COLOUR-FAST SURFACE

Guaranteed UV-resistant, colour-fast and weatherproof

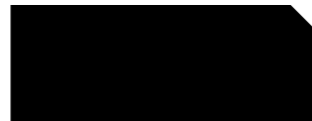
With P.10, PREFA has developed a colour-resistant finish that meets even the highest quality standards. The material withstands external influences and stresses, and is guaranteed UV-resistant, colour-fast and weatherproof. At the same time, aluminium is an unbelievably lightweight and stable material,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



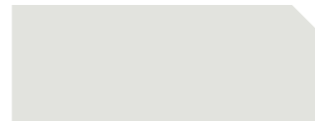
THE PREFA COLOUR RANGE | P.10 STANDARD COLOURS



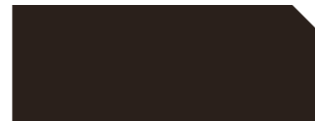
02 P.10 anthracite (similar to RAL 7016)



03 P.10 black (similar to RAL 9005)



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



11 P.10 nut brown (similar to RAL 8019)



19 P.10 dark grey (similar to RAL 7043)

MINIMUM PURCHASE QUANTITY FOR P.10 STANDARD COLOURS
FR CORE: 4,010 mm × 1,535 mm – **in stock** from 6 m²



THE PREFA COLOUR RANGE | STANDARD COLOURS



12 metallic silver (similar to RAL 9006)



17 pure white (similar to RAL 9010)



20 smoke silver (similar to RAL 9007)



23 black grey (similar to RAL 7022)



44 matt anthracite (similar to RAL 7016)



45 bronze (similar to RAL 7048)

MINIMUM PURCHASE QUANTITY FOR STANDARD COLOURS

FR CORE: 4,010 mm × 1,535 mm – **in stock** from 6 m²

A2 CORE: project-specific **on request**

* The colour guarantee ensures that the P.10 painted surface is protected from chips and blistering under the terms specified in the guarantee certificate. You can find more information about the material and colour guarantee at uk.prefa.com/guarantee.

FR CORE

TECHNICAL DATA



PRODUCT PROPERTIES

	STANDARD	UNIT	VALUE
Total thickness	—	mm	4 (±0.2)
Top layer thickness	—	mm	0.5
Core thickness	—	mm	3
Width	—	mm	1,035 1,285 1,535 1,785 2,050 (±2.0)
Length	—	mm	max. 7,300 (±4.0)
Bending allowance	—	mm/m	max. 0.5% (5.0 mm/m) of the length and/or width
Diagonal deviation	—	mm	max. 5

PRODUCT PROPERTIES

	STANDARD	UNIT	VALUE
Weight	—	kg/m ²	7.6
Tensile strength	ASTM E8	N/mm ²	49
0.2% yield strength	ASTM E8	N/mm ²	44
Elongation at break	ASTM E8	%	5
Modulus of elasticity (E)	ASTM D393	kN/mm ²	39.8
Heat deflection temperature	ISO 75-2	°C	116
Thermal expansion	ASTM D696	10 ⁻⁴ /°C	24

INTERNATIONAL FIRE RATINGS

COUNTRY	TESTED TO ...	RESULT AND RATING
EU (applicable in Europe, Switzerland and Turkey)	EN 13823 EN ISO 11925-2 EN 13501-1	class B-s1, d0
Switzerland	VKF	RF2 (BKZ 5.3)
Austria	ÖNORM B 3800-5	passed
Hungary	MSZ 14800-6:2009	Th = 45 min

CERTIFICATIONS AND APPROVALS

COUNTRY	CERTIFICATION AND APPROVAL
Germany	Technical approval — DIBt
International	Environmental Product Declaration (EPD)

Liability: despite the greatest possible care taken when carrying out content control, PREFA assumes no liability for the completeness and accuracy of the contents. Subject to technical modifications and errors.

SURFACE PROPERTIES

COATING PROPERTIES		2 COATINGS	3 COATINGS
Coating thickness	EN 13523-1 ASTM D 7091	between 35 µm and 40 µm COLOURS: standard colours, special colours (Basics, Anodized)	between 50 µm and 55 µm COLOURS: special colours (Wood, Mineral, Natural, Concrete)
Gloss	EN 13523-2 ASTM D 523	high gloss, satin finish, matt and MattXtrem	
Corrosion resistance	EN 1396	category 4: severe industrial, extreme conditions very severe coastal marine conditions (less than 3,000 m from the sea, depending on the landscape topography) high UV plus severe conditions	
Pencil hardness	EN 13523-4 ASTM D 3363	> HB	
Resistance to rapid deformation	EN 13523-5 ASTM D 2794	no formation of cracks, no peeling	
Adhesion after indentation	EN 13523-6 ASTM D 3359	100% adhesion	
Resistance to cracking on bending	EN 13523-7 ASTM D 4145	very good flexibility (0.5 T); depending on alloy and state	
Resistance to salt spray	EN 13523-8 ASTM G 85	1,000 h	
Resistance to water immersion	EN 13523-9 ASTM D 870	3,000 h	
Resistance to humidity	EN 13523-25 ASTM D 2247	3,000 h	
Mortar resistance	AAMA 2605	no effect	
Resistance to acids 10% HCl solution (15 min at 23 °C) 20% H ₂ SO ₄ solution (18 h at 23 °C) Nitric acid	AAMA 2605 ASTM D 1308	hydrochloric acid: no effect sulphuric acid: no effect nitric acid: ΔE < 5 units (with the exception of a few blue and metallic shades)	
Resistance to detergents 3% VIGOR solution (72 h at 30 °C)	AAMA 2605	no effect	
Outdoor resistance of the paint	45° South Florida EN 13523-3 ASTM D 2244	after 5 years: colour variation on 5 to 10 units (ΔE); depending on the colour	
Chalking resistance	45° South Florida ASTM D 4214	level ≥ 8	

A2 CORE

TECHNICAL DATA



PRODUCT PROPERTIES

	STANDARD	UNIT	VALUE
Total thickness	—	mm	4 (±0.2)
Top layer thickness	—	mm	0.5
Core thickness	—	mm	3
Width	—	mm	1,000 1,250 1,500 1,750 2,015 (±2.0)
Length	—	mm	max. 7,300 (±4.0)
Bending allowance	—	mm/m	max. 0.5% (5.0 mm/m) of the length and/or width
Diagonal deviation	—	mm	max. 5

PRODUCT PROPERTIES

	STANDARD	UNIT	VALUE
Weight	—	kg/m ²	8.4
Tensile strength	ASTM E8	N/mm ²	43
0.2% yield strength	ASTM E8	N/mm ²	41
Elongation at break	ASTM E8	%	3.8
Modulus of elasticity (E)	ASTM D393	kN/mm ²	38.5
Heat deflection temperature	ISO 75-2	°C	110
Thermal expansion	ASTM D696	10 ⁻⁴ /°C	19

INTERNATIONAL FIRE RATINGS

COUNTRY	TESTED TO ...	RESULT AND RATING
EU (applicable in Europe, Switzerland and Turkey)	EN 13823 EN ISO 1716 EN 13501-1	class A2-s1, d0
Switzerland	VKF	RF1 (BKZ 6.3)
Austria	ÖNORM B 3800-5	passed

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Chalking resistance	45° South Florida ASTM D 4214	level ≥ 8	

THE PREFA PRODUCT RANGE — ROOF AND FAÇADE

ROOF TILE

600 × 420 mm (cover)



R.16 ROOF TILE

700 × 420 mm (cover)



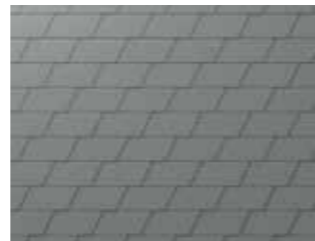
DS.19 SHINGLE

480 × 262 mm (cover)



ROOF AND FAÇADE SHINGLE

420 × 240 mm (cover)

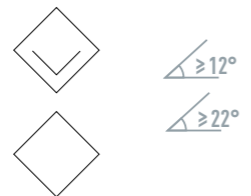


RHOMBOID ROOF AND FAÇADE TILE

44 × 44: 437 × 437 mm (cover)

29 × 29: 290 × 290 mm (cover)

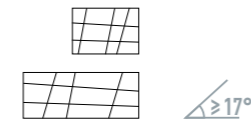
20 × 20: 200 × 200 mm (cover)



FX.12 ROOF AND FAÇADE PANEL

700 × 420 mm (cover)

1,400 × 420 mm (cover)



PREFALZ

STANDARD DIMENSIONS

For roofs: 0.7 × 500 mm; 0.7 × 650 mm

For façades: 0.7 × 500 mm

Complementary coil: 0.7 × 1,000 mm



THE 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



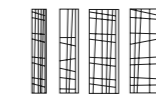
SIDING.X

138 × 1.0 mm

200 × 1.0 mm

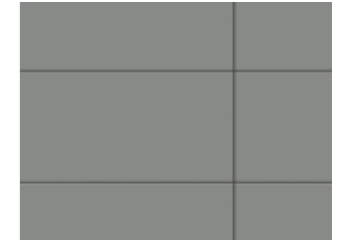
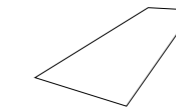
300 × 1.0 mm

400 × 1.0 mm



PREFABOND ALUMINIUM COMPOSITE PANEL

4,010 × 1,535 × 4 mm

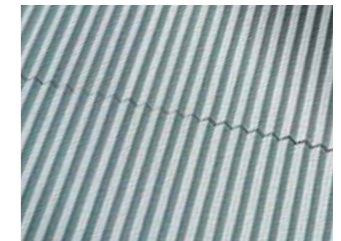
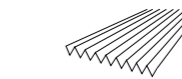


EXTRUDED PROFILES

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

On-roof gutter 700 × 1.0 mm

Square downpipe 80 × 80 mm/100 × 100 mm

Downpipe ø 60/ø 80/ø 100/ø 120/ø 150mm



PREFA SOLAR PANEL MOUNTING SYSTEM

Solar panel mounting system



FLOOD PROTECTION SOLUTIONS

Property and perimeter protection





**THE ROOF
AS STRONG AS A BULL**

STRENGTH IS OUR PROMISE.

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

LET'S TALK ABOUT IT.

PREFA ALUMINIUMPRODUKTE GMBH

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LEGAL NOTICE

Subject to technical modifications and printing errors.

Photos: PREFA | Croce & Wir

Printed colours may vary from the original material. 05/2022 | MF

* The colour guarantee ensures that the P.10 painted surface is protected from chips and blistering under the terms specified in the guarantee certificate. You can find more information about the material and colour guarantee at uk.prefa.com/guarantee.