

Tender texts

PREFA roof and façade systems (06/2018)

Specifications 02 PREFA façade systems

Title 02.03 PREFA aluminium composite panel

GENERAL OBSERVATIONS

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Performance of the described services is based on PREFA Aluminiumprodukte GmbH's installation and mounting instructions, and on the nationally applicable rules, technical regulations and standards.

The specifications are based on the following documents:

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The following specifications were created based on the planning documents made available to us according to the currently applicable rules of sound engineering practice. The tenderer must check the items for feasibility; the quantities must be checked for accuracy with regards to the building, and amended if necessary.

Material waste, loss of material in seam area, small items and fixing material must be taken into account with the items in question. Invoicing is carried out according to on-site measurements.

We strongly recommend visiting the site prior to submitting the tender.

The following are not included in this call for tender: work, façade and safety scaffolding, road barriers, official permits, lightning protectors, neighbouring buildings, balconies and projecting roofs. The customer is responsible for ensuring compliance with building physics and structural engineering requirements.

PREFA Aluminiumprodukte GmbH does not guarantee the completeness of the individual items to perform the services described, or the accuracy of the dimensions of the individual items. The planner must verify all statements and information for correctness, and make any necessary adjustments. This preparatory work for the tender is provided as an advisory service for the planner (e.g. architects).

02.03.1 Façade cladding with PREFA aluminium composite panels FR

Delivery and installation of stainless aluminium façade cladding with PREFA aluminium composite panels FR; with riveted or bolted joints; in accordance with the implementation plan and the structural requirements; in a straight line and aligned on the existing substructure. Including PREFA fixing material.

The manufacturer's guidelines and PREFA installation guidelines must be observed.

Visible width: mm (standard: 1,500 mm)

Length: mm (standard: 4,010 mm)

Take into account the fact that the panels must be trimmed on all sides (5 mm per side).

Material thickness: 4 mm

Weight: 7.5 kg/m²

Material quality: aluminium composite panel with FR core (fire retardant)

Reynobond® FR

Front: Duragloss 5000 coil coating

Colour:

(Colour according to PREFA colour chart, depending on quantity)

Reverse: protective paint

Surface structure: smooth, with protective film

Class of reaction-to-fire performance: B-s1-d0 in accordance to EN 13501-1

Environmental Product Declaration in accordance with ISO 14025 and

EN 15804: EPD-GDA-20130261-IBG1-DE

Reference service life according to Environmental Product Declaration:

≥ 70 years

0.000 m²

UP _____ TP _____

02.03.2 Façade cladding with PREFA aluminium composite panels A2

Delivery and installation of stainless aluminium façade cladding with PREFA aluminium composite panels A2; with riveted or bolted joints; in accordance with the implementation plan and the structural requirements; in a straight line and aligned on the existing substructure. Including PREFA fixing material.

The manufacturer's guidelines and PREFA installation guidelines must be observed.

Visible width: mm (standard: 1,500 mm)

Length: mm (standard: 4,010 mm)

Take into account the fact that the panels must be trimmed on all sides (5 mm per side).

Material thickness: 4 mm

Weight: 8.2 kg/m²

Material quality: aluminium composite panel with A2 core

Reynobond® A2

Front: Duragloss 5000 coil coating

Colour:

(Colour according to PREFA colour chart, depending on quantity)

Reverse: protective paint

Surface structure: smooth, with protective film

Class of reaction-to-fire performance: A2-s1-d0 in accordance to EN 13501-1

Environmental Product Declaration in accordance with ISO 14025 and

EN 15804: EPD-GDA-20130261-IBG1-DE

Reference service life according to Environmental Product Declaration:

≥ 70 years

0.000 m²

UP _____ TP _____

02.03.3 Façade cladding with PREFA aluminium composite panels FR (glued)

Delivery and installation of stainless aluminium façade cladding with PREFA aluminium composite panels FR; with bonded joint; in accordance with the implementation plan and the structural requirements; in a straight line and aligned on the existing substructure. Including fixing material, cleaning agent and adhesive mounting tape. Substructure distance: max. 500 mm
The manufacturer's guidelines and PREFA installation guidelines must be observed.

Visible width: mm (standard: 1,500 mm)

Length: mm (standard: 4,010 mm; glued: max. 3,000 mm)

Take into account the fact that the panels must be trimmed on all sides (5 mm per side).

Material thickness: 4 mm

Weight: 7.5 kg/m²

Material quality: aluminium composite panel with FR core (fire retardant)

Reynobond® FR

Front: Duragloss 5000 coil coating

Colour:

(Colour according to PREFA colour chart, depending on quantity)

Reverse: protective paint

Surface structure: smooth, with protective film

Class of reaction-to-fire performance: B-s1-d0 in accordance to EN 13501-1

Environmental Product Declaration in accordance with ISO 14025 and

EN 15804: EPD-GDA-20130261-IBG1-DE

Reference service life according to Environmental Product Declaration:

≥ 70 years

0.000 m²

UP _____ TP _____

02.03.4 Façade cladding with cassettes made of PREFA aluminium composite panels FR

Delivery and installation of stainless aluminium façade cladding with cassettes made of PREFA aluminium composite panels FR (KH35/SZ20 system); canted on all sides; including fixing material.

Horizontal aluminium profiles are pre-mounted via riveted joints on the top and bottom downstands. Vertical bracing profiles can be glued to the back of the panels according to static requirements.

The panels are installed and aligned on the aluminium substructure via tongue and groove joints and fixed in place with cassette clips.

The manufacturer's guidelines and PREFA installation guidelines must be observed.

Cassette visible surface:

Width: mm

Length: mm

Trimmed on all sides (5 mm per side)

Material thickness: 4 mm

Material quality: aluminium composite panel with FR core (fire retardant)

Reynobond® FR

Front: Duragloss 5000 coil coating

Colour:

(Colour according to PREFA colour chart, depending on quantity)

Reverse: protective paint

Surface structure: smooth, with protective film

Class of reaction-to-fire performance: B-s1-d0 in accordance to EN 13501-1
Environmental Product Declaration in accordance with ISO 14025 and
EN 15804: EPD-GDA-20130261-IBG1-DE
Reference service life according to Environmental Product Declaration:
≥ 70 years

0.000 m² UP _____ TP _____

02.03.5 Façade cladding with cassettes made of PREFA aluminium composite panels A2

Delivery and installation of stainless aluminium façade cladding with cassettes made of PREFA aluminium composite panels A2 (KH35/SZ20 system); canted on all sides; including fixing material.
Horizontal aluminium profiles are pre-mounted via riveted joints on the top and bottom downstands. Vertical bracing profiles can be glued to the back of the panels according to static requirements.
The panels are installed and aligned on the aluminium substructure via tongue and groove joints and fixed in place with cassette clips.
The manufacturer's guidelines and PREFA installation guidelines must be observed.

Cassette visible surface:

Width: mm

Length: mm

Trimmed on all sides (5 mm per side)

Material thickness: 4 mm

Material quality: aluminium composite panel with A2 core

Reynobond® A2

Front: Duragloss 5000 coil coating

Colour:

(Colour according to PREFA colour chart, depending on quantity)

Reverse: protective paint

Surface structure: smooth, with protective film

Class of reaction-to-fire performance: A2-s1-d0 in accordance to EN 13501-1

Environmental Product Declaration in accordance with ISO 14025 and

EN 15804: EPD-GDA-20130261-IBG1-DE

Reference service life according to Environmental Product Declaration:

≥ 70 years

0.000 m² UP _____ TP _____

02.03.6 Surcharge added to the cost of the main item for soffit cladding

Surcharge for soffit cladding.

0.000 m² UP _____ TP _____

02.03.7 Surcharge added to the cost of the main item for spray painting in RAL colour

Surcharge for spray painting of PREFA aluminium composite panels with a liquid coating, including cleaning of surfaces.

Colour: RAL

(according to contractor's choice)

0.000 m² UP _____ TP _____

02.03.8 Surcharge added to the cost of the main item for diagonal cut
Surcharge for diagonal cut of PREFA aluminium composite panels.

0.000 m UP _____ TP _____

02.03.9 Surcharge to main item for round cut
Surcharge for round cut of PREFA aluminium composite panels.

0.000 m UP _____ TP _____

02.03.10 Surcharge added to the cost of the main item for vertical/horizontal wall connection
Surcharge for horizontal and vertical wall connections, milled and canted as required, including aluminium wall bracket, fixing material, sealants and attachment work.

0.000 m UP _____ TP _____

02.03.11 Surcharge added to the cost of the main item for recessed and protruding corners
Surcharge for recessed and protruding corners, milled and canted as required, including fixing material and attachment to façade cladding.

0.000 m UP _____ TP _____

02.03.12 Surcharge added to the cost of the main item for perforating
Surcharge for perforating the aluminium composite panel by milling in accordance with planning details. The distance between the perforations and the distance from the outer edge must be min. 50 mm. The required fastening points must be taken into account. The PREFA installation guidelines must be observed.

0.000 m² UP _____ TP _____

02.03.13 Surcharge added to the cost of the main item for rounding
Surcharge for rounding the aluminium composite panel in accordance with the planning details. Smallest possible radius: 160 mm, max. width 2,000 mm.

0.000 m² UP _____ TP _____

02.03.14 Surcharge added to the cost of the main item for bottom connection
Delivery and installation of bottom connection of PREFA aluminium composite panel including fixing material and attachment to PREFA façade cladding.

Colour: same as the main item
Material thickness: same as the main item

Material quality: same as the main item

Consisting of:

Insertion profile:

Cutting dimension: 120 mm

Downstand: 3 pc.

Length: 2,000 mm

Cover flashing:

Cutting dimension: mm

Downstand: mm

0.000 m

UP _____

TP _____

02.03.15 Horizontal joint backing strip

Delivery and installation of PREFA joint backing strips for the horizontal joints of the PREFA aluminium composite panels.

Length: up to 3,000 mm

Joint width: 8–10 mm

Material thickness: 0.5 mm

Material: aluminium

Alloy: EN AW-3005 H46

EN AW-3003 H46

Colour:

(Colour according to PREFA colour chart)

0.000 m

UP _____

TP _____

02.03.16 Vertical joint backing strip

Delivery and installation of PREFA joint backing strips for the vertical joints of the PREFA aluminium composite panels.

Length: up to 3,000 mm

Joint width: 8–10 mm

Material thickness: 0.5 mm

Material: aluminium

Alloy: EN AW-3005 H46

EN AW-3003 H46

Colour:

(Colour according to PREFA colour chart)

0.000 m

UP _____

TP _____

02.03.17 Horizontal window/door connection (lintel) made of PREFA aluminium composite panel

Delivery and installation of horizontal window/door connections (lintel) made of PREFA aluminium composite panel, milled and canted as required. Attach to frame with aluminium bracket or directly, including support structure or auxiliary structure, fixing material and sealants and attachment to PREFA window cladding and lintel. Make sure that the thermal insulation is correctly attached to the frame.

Lintel:

Cutting dimension: ... mm

Downstand: ... pc.

Material thickness: same as the main item

Material quality: same as the main item

Colour: same as the main item

0.000 m

UP _____

TP _____

02.03.18 Vertical window/door connection (reveal) made of PREFA aluminium composite panel

Delivery and installation of vertical window/door connections (reveal) made of PREFA aluminium composite panel, milled and canted as required. Attach to frame with aluminium bracket or directly, including support structure or auxiliary structure, fixing material and sealants and attachment to PREFA façade cladding, window ledge and lintel. Make sure that the thermal insulation is correctly attached to the frame.

Reveal:

Cutting dimension: ... mm

Downstand: ... pc.

Material thickness: same as the main item

Material quality: same as the main item

Colour: same as the main item

0.000 m

UP _____ TP _____

02.03.19 Vertical window/door connection (reveal) made of PREFA flashing strip

Delivery and installation of horizontal window/door connections (lintel) made of PREFA flashing strip. Including fixing material and sealants and attachment to the PREFA façade cladding, window ledge and lintel. Make sure that the thermal insulation is correctly attached to the frame.

Reveal flashing:

Cutting dimension: ... mm

Downstand: ... pc.

Material thickness: 1.00 mm

Material quality: aluminium

Alloy: EN AW-3005

Colour: same as the main item

Insertion profile:

Cutting dimension: 120 mm

Downstand: 3 pc.

Length: 2,000 mm

0.000 m

UP _____ TP _____

02.03.20 Horizontal window/door connection (lintel) made of PREFA flashing strip

Delivery and installation of horizontal window/door connections (lintel) made of PREFA flashing strip. Including fixing material and sealants and attachment to the PREFA façade cladding and window reveal. Make sure that the thermal insulation is correctly attached to the frame.

Lintel flashing:

Cutting dimension: ... mm

Downstand: ... pc.

Material thickness: 1.00 mm

Material quality: aluminium

Alloy: EN AW-3005

Colour: same as the main item

Insertion profile:

Cutting dimension: 120 mm

Downstand: 3 pc.

Length: 2,000 mm

0.000 m

UP _____ TP _____

02.03.21 Window ledges made of PREFA aluminium composite panel

Delivery and installation of window ledges made of PREFA aluminium composite panel; including milling and canting, fixing material and production of lateral connections.

Window ledge:

Cutting dimension: ... mm

Downstand: 3 pc.

Material thickness: 4 mm

Material thickness: same as the main item

Material quality: same as the main item

Colour: same as the main item

Flashing strip:

Cutting dimension: ... mm

Downstand: 1 pc.

Material thickness: 1.00 mm

0.000 m

UP _____ TP _____

02.03.22 Window ledges made of PREFA flashing strip

Delivery and installation of window ledges made of PREFA flashing strip; including fixing material and production of lateral connections.

Window ledge:

Cutting dimension: ... mm

Downstand: 3 pc.

Material thickness: 1.00 mm

Material quality: aluminium

Alloy: EN AW-3005

Colour: same as the main item

Flashing strip:

Cutting dimension: ... mm

Downstand: 1 pc.

Material thickness: 1.00 mm

0.000 m

UP _____ TP _____

02.03.23 Roof parapet flashing made of PREFA aluminium composite panel

Delivery and installation of roof parapet flashing made of PREFA aluminium composite panel; milled and canted as required; including cleat strips on both sides. Joint connection with PREFA design wave (5 or 9 mm). The length of the roof parapet should be aligned with the façade's joint pattern.

Cutting dimension: ... mm

Downstand: ... pc.

Material thickness: 4 mm

Material quality: aluminium composite panel with FR core (fire retardant)

Reynobond® FR

Finish: Duragloss 5000; layer thickness: 25 µm

Surface structure: smooth, with protective film

Reverse: protective paint

Colour: same as the main item

0.000 m

UP _____ TP _____

02.03.24 Roof parapet flashing made of PREFA aluminium composite panel (flush)

Delivery and installation of roof parapet flashing made of PREFA aluminium composite panel, milled and canted according to the planning details on existing substructure. Water-proof bonding of the substructure support/substructure profile in the sealing layer must be ensured. Joint connection with design wave, 5 or 9 mm. The length of the roof parapet should be aligned with the façade's joint pattern.

Cutting dimension: ... mm

Downstand: ... pc.

Material thickness: 4 mm

Material quality: aluminium composite panel with FR core (fire retardant)

Reynobond® FR

Finish: Duragloss 5000; layer thickness: 25 µm

Surface structure: smooth, with protective film

Reverse: protective paint

Colour: same as the main item

0.000 m UP _____ TP _____

02.03.25 Roof parapet flashing made of PREFA flashing strip

Delivery and installation of roof parapet flashing made of PREFA flashing strip; including cleat strips on both sides and fixing material. The individual elements must be prepared in lengths of up to 3,000 mm max. according to the cut. Connection types: standing seam, hook seam, coulisseau or corrugated metal sheathing.

Cutting dimension: ... mm
Downstand: 4 pc.
Material thickness: 1.00 mm
Material: aluminium
Alloy: EN AW-3005

0.000 m UP _____ TP _____

02.03.26 Roof parapet flashing made of PREFA flashing strip (flush)

Delivery and installation of roof parapet flashing made of PREFA flashing strip; the façade cladding with the aluminium composite panel must be mounted flush with the roof parapet flashing, and milled and canted according to the planning details. Including cleat strips on both sides and fixing material. The individual elements must be prepared in lengths of up to 3,000 mm max. according to the cut. Connection types: standing seam, hook seam, coulisseau or corrugated metal sheathing.

Cutting dimension: ... mm
Downstand: 4 pc.
Material thickness: 1.00 mm
Material: aluminium
Alloy: EN AW-3005

0.000 m UP _____ TP _____

02.03.27 Production of penetrations

Production of penetrations for support profile (e.g. billboards, ventilations, etc.) in the PREFA façade cladding, including support structure or auxiliary structure, fixing material, sealants and attachment to the PREFA façade cladding.

Opening size: ... x ... mm

0.000 pc. UP _____ TP _____

02.03.28 PREFA perforated plate for ventilated façades

Delivery and installation of PREFA perforated plates with perforations for aeration and ventilation, and to prevent insects and birds from getting into the ventilated channel; including fixing material.

Cutting dimension: ... mm
Downstand: as required
Material: aluminium
Alloy: EN AW-3005

Material thickness: 0.70 mm
Round perforations: \varnothing 5 mm

0.000 m UP _____ TP _____

02.03.29 Skilled worker hourly rate
Skilled worker hourly rate

0.000 h UP _____ TP _____

02.03.30 Assistant hourly rate
Assistant hourly rate

0.000 h UP _____ TP _____

Title 02.03 PREFA aluminium composite panel TP

Summary

Title 02.03 PREFA aluminium composite panel

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Specifications 02 PREFA façade systems

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