**Tender texts**

PREFA roof and façade systems (06/2018)

**Specifications 01 PREFA roof systems**

**Title 01.08 PREFA roof drainage systems**

**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:

* ……………………………………
* ……………………………………
* ……………………………………

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).

**01.08.1 PREFA bird screen for ventilation**

Delivery and installation of PREFA bird screen with round perforations for aeration and ventilation; to prevent insects and birds from getting into the ventilated channel. Including fixing material.

Cutting dimension: 125 mm

Downstand: as required

Length: 2,000 mm

Material thickness: 0.70 mm

Material: aluminium

Round perforations: ⌀ 5 mm

**0.000 m** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.2 PREFA perforated plate for ventilation**

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

Cutting dimension: … mm

Material thickness: 0.70 mm

Material: aluminium

Downstand: as required

Round perforations: ⌀ 5 mm

**0.000 m** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.3 PREFA eaves apron (standard)**

Delivery and installation of PREFA ice strips, pre-canted twice in the factory; including fixing material, with a tapered edge aligned with the gutter inclination.

Size: 230 × 2,000 mm

Material thickness: 0.70 mm

Material: aluminium

Alloy: AlMn1Mg0.5

Finish: coil coating

Colour: same as the main item

**0.000 m** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.4 Eaves apron made of PREFA flashing strip**

Delivery and installation of ice strips made of PREFA flashing strip; including fixing material; with a tapered edge aligned with the gutter inclination.

Cutting dimension: … mm

Downstand: … pc.

Material thickness: 0.70 mm

Material: aluminium

Alloy: AlMn1Mg0.5

Finish: coil coating

Colour: same as the main item

**0.000 m** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.5 Underlayment eaves apron strip made of PREFA flashing strip**

Delivery and installation of underlay eaves apron strip made of PREFA flashing strip for connection of the underlay on the eaves side for ventilated roof structures. Including fixing material.

Cutting dimension: … mm

Downstand: … pc.

Material thickness: 0.70 mm

Material: aluminium

Alloy: AlMn1Mg0.5

Finish: coil coating

Colour: same as the main item

**0.000 m** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.6 PREFA half-round gutter, 250 mm**

Delivery and installation of PREFA half-round gutters with outer bead and inner fold, along the inclination. Embed the gutter brackets in each rafter or mount them on the edge board (at least 30 mm thick). Including PREFA patent rivets and sealants or adhesives. The PREFA installation guidelines must be observed.

Material thickness: 0.70 mm

Cutting dimension: 250 mm (8 parts)

Standard length: 6,000 mm

Material: aluminium

Alloy: EN AW-5010

Finish: coil coating, with protective film on the outside

Colour: ……

(Standard according to valid PREFA colour chart)

Gutter bracket: flex-fix gutter bracket with flexible clips

Material quality: EN AW-6060

Oberfläche: powder-coated

Colour: same as gutter

Size: 250/23 × 7

**0.000 m** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.7 PREFA half-round gutter, 280 mm**

Delivery and installation of PREFA half-round gutters with outer bead and inner fold, along the inclination. Embed the gutter brackets in each rafter or mount them on the edge board (at least 30 mm thick). Including PREFA patent rivets and sealants or adhesives. The PREFA installation guidelines must be observed.

Material thickness: 0.70 mm

Cutting dimension: 280 mm (7 parts)

Standard length: 6,000 mm

Material: aluminium

Alloy: EN AW-5010

Finish: coil coating, with protective film on the outside

Colour: ……

(Standard according to valid PREFA colour chart)

Gutter bracket: flex-fix gutter bracket with flexible clips

Material quality: EN AW-6060

Oberfläche: powder-coated

Colour: same as gutter

Size: 280/28 × 7

**0.000 m** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.8 PREFA half-round gutter, 333 mm**

Delivery and installation of PREFA half-round gutters with outer bead and inner fold, along the inclination. Embed the gutter brackets in each rafter or mount them on the edge board (at least 30 mm thick). Including PREFA patent rivets and sealants or adhesives. The PREFA installation guidelines must be observed.

Material thickness: 0.70 mm

Cutting dimension: 333 mm (6 parts)

Standard length: 6,000 mm

Material: aluminium

Alloy: EN AW-5010

Finish: coil coating, with protective film on the outside

Colour: ……

(Standard according to valid PREFA colour chart)

Gutter bracket: flex-fix gutter bracket with flexible clips

Material quality: EN AW-6060

Oberfläche: powder-coated

Colour: same as gutter

Size: 333/28 × 7

Upright gutter bracket: flex-fix gutter bracket with flexible clips

Material quality: EN AW-6060

Oberfläche: powder-coated

Colour: same as gutter

Size: 333/23 × 7

**0.000 m** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.9 PREFA half-round gutter, 400 mm**

Delivery and installation of PREFA half-round gutters with outer bead and inner fold, along the inclination. Embed the gutter brackets in each rafter or mount them on the edge board (at least 30 mm thick). Including PREFA patent rivets and sealants or adhesives. The PREFA installation guidelines must be observed.

Material thickness: 0.70 mm

Cutting dimension: 400 mm (5 parts)

Standard length: 6,000 mm

Material: aluminium

Alloy: EN AW-5010

Finish: coil coating, with protective film on the outside

Colour: ……

(Standard according to valid PREFA colour chart)

Gutter bracket: flex-fix gutter bracket with flexible clips

Material quality: EN AW-6060

Oberfläche: powder-coated

Colour: same as gutter

Size: 400/30 × 7

**0.000 m** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.10 PREFA box gutter, 250 mm**

Delivery and installation of PREFA box gutters with an outer bead and inner fold, along the inclination. Embed the gutter brackets in each rafter or mount them on the edge board (at least 30 mm thick). Including PREFA patent rivets and sealants or adhesives. The PREFA installation guidelines must be observed.

Material thickness: 0.70 mm

Cutting dimension: 250 mm (8 parts)

Standard length: 6,000 mm

Material: aluminium

Alloy: EN AW-5010

Finish: coil coating

Colour: ……

(Standard according to valid PREFA colour chart)

Gutter bracket: flex-fix gutter bracket with flexible clips

Material quality: EN AW-6060

Oberfläche: powder-coated

Colour: same as gutter

Size: 250/23 × 7

**0.000 m** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.11 PREFA box gutter, 333 mm**

Delivery and installation of PREFA box gutters with an outer bead and inner fold, along the inclination. Embed the gutter brackets in each rafter or mount them on the edge board (at least 30 mm thick). Including PREFA patent rivets and sealants or adhesives. The PREFA installation guidelines must be observed.

Material thickness: 0.70 mm

Cutting dimension: 333 mm (6 parts)

Standard length: 6,000 mm

Material: aluminium

Alloy: EN AW-5010

Finish: coil coating

Colour: ……

(Standard according to valid PREFA colour chart)

Gutter bracket: flex-fix gutter bracket with flexible clips

Material quality: EN AW-6060

Oberfläche: powder-coated

Colour: same as gutter

Size: 333/28 × 7

**0.000 m** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.12 PREFA box gutter, 400 mm**

Delivery and installation of PREFA box gutters with an outer bead and inner fold, along the inclination. Embed the gutter brackets in each rafter or mount them on the edge board (at least 30 mm thick). Including PREFA patent rivets and sealants or adhesives. The PREFA installation guidelines must be observed.

Material thickness: 0.70 mm

Cutting dimension: 400 mm (5 parts)

Standard length: 6,000 mm

Material: aluminium

Alloy: EN AW-5010

Finish: coil coating

Colour: ……

(Standard according to valid PREFA colour chart)

Gutter bracket: flex-fix gutter bracket with flexible clips

Material quality: EN AW-6060

Oberfläche: powder-coated

Colour: same as gutter

Size: 400/30 × 7

**0.000 m** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.13 PREFA box gutter, 500 mm**

Delivery and installation of PREFA box gutters with an outer bead and inner fold, along the inclination. Embed the gutter brackets in each rafter or mount them on the edge board (at least 30 mm thick). Including PREFA patent rivets and sealants or adhesives. The PREFA installation guidelines must be observed.

Material thickness: 0.70 mm

Cutting dimension: 400 mm (4 parts)

Standard length: 6,000 mm

Material: aluminium

Alloy: EN AW-5010

Finish: coil coating

Colour: ……

(Standard according to valid PREFA colour chart)

Gutter bracket: flex-fix gutter bracket with flexible clips

Material quality: EN AW-6060

Oberfläche: powder-coated

Colour: same as gutter

Size: 500/35 × 7

**0.000 m** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.14 PREFA on-roof gutter**

Delivery and installation of PREFA on-roof gutters with an outer bead, along the inclination. Mount the gutter bracket on each rafter. Including PREFA patent rivets and sealants or adhesives. The PREFA installation guidelines must be observed.

Material thickness: 1.00 mm

Cutting dimension: 700 mm

Standard length: 6,000 mm

Material: aluminium

Alloy: EN AW-5010

Finish: coil coating, with protective film on the outside

Colour: ……

(Standard according to valid PREFA colour chart)

On-roof gutter bracket:

Material quality: EN AW-6060

Colour: same as gutter

Size: 28 × 7

**0.000 m** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.15 Edge flashing made of PREFA flashing strip**

Delivery and installation of edge flashing made of PREFA flashing strip; including edge cleat strips and fixing material; double-lock standing seam distance: max. 1,000 mm.

Material thickness: 0.70 mm

Cutting dimension: up to 600 mm

Material quality: same as the main item

Colour: same as the main item

**0.000 m** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.16 PREFA gutter end cap (crimped)**

Delivery and supply of PREFA gutter end caps, to be crimped; including fixing material and sealants.

Material quality: same as the main item

Material thickness: same as the main item

Colour: same as the main item

**0.000 pc.** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.17 PREFA on-roof gutter end cap**

Delivery and supply of PREFA on-roof gutter end caps, to be crimped; including fixing material and sealants.

Material quality: same as the main item

Material thickness: same as the main item

Colour: same as the main item

**0.000 pc.** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.18 PREFA gutter expansion (expansion component)**

Delivery and installation of PREFA gutter expansion joint (expansion component) uncoated aluminium; including PREFA patent rivets and sealants or adhesives.

Dimensions: same as the main item

Spacing: max. 12 m

**0.000 pc.** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.19 PREFA box gutter expansion (expansion component)**

Delivery and installation of PREFA box gutter expansion joint (expansion component); uncoated aluminium; including PREFA patent rivets and sealants or adhesives.

Dimensions: same as the main item

Spacing: max. 12 m

**0.000 pc.** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.20 PREFA expansion (continuous expansion component)**

Delivery and installation of PREFA expansion joint (continuous expansion component); uncoated aluminium; including PREFA patent rivets and sealants or adhesives.

Cutting dimension: up to 700 mm

Spacing: 6 m (on-roof gutter); 12 m (half-round gutter and box gutter)

**0.000 m** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.21 Surcharge for on-roof gutter mitre**

Surcharge for producing an on-roof gutter mitre; including PREFA patent rivets and sealants or adhesives.

Angle: …°

**0.000** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.22 PREFA external gutter mitre (standard)**

Delivery and installation of PREFA gutter mitre; including PREFA patent rivets and sealants or adhesives.

Material thickness: 0.70 mm

Size: same as the main item

Material quality: same as the main item

Colour: same as the main item

Angle: 90°, external

**0.000 pc.** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.23 PREFA internal gutter mitre (standard)**

Delivery and installation of PREFA gutter mitre; including PREFA patent rivets and sealants or adhesives.

Material thickness: 0.70 mm

Size: same as the main item

Material quality: same as the main item

Colour: same as the main item

Angle: 90°, internal

**0.000 pc.** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.24 Special internal and external gutter mitre**

Delivery and installation of PREFA gutter mitre; including PREFA patent rivets and sealants or adhesives; welded and unfinished.

Material thickness: 0.70 mm

Size: same as the main item

Material quality: same as the main item

Colour: same as the main item

Angle: …°

**0.000 pc.** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.25 Surcharge added to the cost of the main item for PREFA reinforcement hangers**

Delivery and installation of PREFA reinforcement hangers; for additional gutter support in the event of snow and ice loads; including fixing material.

Size: 25 × 4 × 427 mm, for gutters 250–400 mm

Material: aluminium

Colour: same as the main item

**0.000 m** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.26 PREFA gutter outlet**

Delivery and installation of PREFA gutter outlet for draining the gutter.

Material thickness: 0.70 mm

Material quality: same as the main item

Colour: same as the main item

Standard sizes: 250 × 60 ⌀, 250 × 80 ⌀, 280 × 80 ⌀, 280 × 100 ⌀, 333 × 80 ⌀, 333 × 100 ⌀, 333 × 120 ⌀, 400 × 120 ⌀, 400 × 150 ⌀

Size: …

**0.000 pc.** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.27 PREFA box gutter outlet**

Delivery and installation of PREFA box gutter outlet for draining the gutter.

Material thickness: 0.70 mm

Material quality: same as the main item

Colour: same as the main item

Standard sizes: 250 × 80 ⌀, 333 × 100 ⌀, 400 × 120 ⌀, 500 × 120 ⌀, 400 × 150 ⌀

Size: …

**0.000 pc.** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.28 PREFA diagonal outlet**

Delivery and installation of PREFA diagonal outlet for draining the gutter; the diagonal outlet can be tilted in both directions (towards the building, away from the building).

Material thickness: 0.70 mm

Material quality: same as the main item

Colour: same as the main item

Standard sizes: 250 × 80 ⌀, 280 × 80 ⌀, 333 × 80 ⌀, 280 × 100 ⌀, 333 × 100 ⌀, 333 × 120 ⌀, 400 × 120 ⌀

Size: …

**0.000 pc.** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.29 PREFA outlet with bonding flange**

Delivery and installation of PREFA outlet with bonding flange for draining the gutter, for a downpipe with a diameter of 60 mm.

Material thickness: 0.70 mm

Material quality: same as the main item

Colour: same as the main item

Size: 60 mm ⌀

**0.000 pc.** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.30 PREFA on-roof gutter outlet**

Delivery and installation of PREFA on-roof gutter outlet for draining the on-roof gutter. Including the eaves outlet fitting if necessary as well as a separation layer to prevent the eaves outlet from being in direct contact with the brickwork.

Material thickness: 0.70 mm

Material quality: same as the main item

Colour: same as the main item

Size: 100 mm ⌀

**0.000 pc.** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.31 PREFA leader head**

Delivery and installation of PREFA leader head for draining an internal gutter. Bead on 3 sides, eccentric downpipe outlet; distance to façade: 30 mm.

Leader head: 220/220/330 mm

Material thickness: 0.70 mm

Material quality: same as the main item

Colour: ……

(Standard according to valid colour chart)

Standard sizes: 80 mm ⌀, 100 mm ⌀, 120 mm ⌀, 150 mm ⌀

Size: … mm ⌀

**0.000 pc.** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.32 PREFA parapet outlet connector**

Delivery and installation of PREFA outlet connector for draining an internal gutter. Including EPDM seal, inclined by 3°, suitable for high-temperature pipes (nominal size: 110 and 125).

Material thickness: 1.2 mm

Material: aluminium

Standard sizes: 100 mm ⌀, 120 mm ⌀

Selected size: … mm ⌀

Colour: ……

(Standard according to valid colour chart)

**0.000 pc.** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.33 PREFA downpipe, round, 60 mm ⌀**

Delivery and installation of PREFA downpipes, round, welded.

Material thickness: 0.70 mm

Size: 60 mm ⌀

Length: 3,000 mm

Material: aluminium

Alloy: EN AW-5010

Finish: coil coating

Colour: ……

(Standard according to valid colour chart)

Pipe brackets: with M10 thread and fixed nut, without pin

Material: aluminium, powder-coated

Colour: standard, same as gutter

**0.000 m** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.34 PREFA downpipe, round, 80 mm ⌀**

Delivery and installation of PREFA downpipes, round, with double-lock standing seam.

Material thickness: 0.70 mm

Size: 80 mm ⌀

Length: 3,000 mm

Material: aluminium

Alloy: EN AW-5010

Finish: coil coating with protective film

Colour: ……

(Standard according to valid colour chart)

Pipe brackets: with M10 thread and fixed nut, without pin

Material: aluminium, powder-coated

Colour: standard, same as gutter

**0.000 m** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.35 PREFA downpipe, round, 100 mm ⌀**

Delivery and installation of PREFA downpipes, round, with double-lock standing seam.

Material thickness: 0.70 mm

Size: 100 mm ⌀

Length: 3,000 mm

Material: aluminium

Alloy: EN AW-5010

Finish: coil coating with protective film

Colour: ……

(Standard according to valid colour chart)

Pipe brackets: with M10 thread and fixed nut, without pin

Material: aluminium, powder-coated

Colour: standard, same as gutter

**0.000 m** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.36 PREFA downpipe, round, 100 mm ⌀, 1.6 mm-thick**

Delivery and installation of PREFA downpipe, round, 1.6-mm thick, extruded.

Material thickness: 1.60 mm

Size: 100 mm ⌀

Length: 1,450 mm

Material: extruded aluminium

Oberfläche: powder-coated

Colour: same as the main item

Pipe brackets: with M10 thread and fixed nut, without pin

Material: aluminium, powder-coated

Colour: standard, same as gutter

**0.000 pc.** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.37 PREFA downpipe, round, 120 mm ⌀**

Delivery and installation of PREFA downpipes, round, with double-lock standing seam.

Material thickness: 0.70 mm

Size: 120 mm ⌀

Length: 3,000 mm

Material: aluminium

Alloy: EN AW-5010

Finish: coil coating with protective film

Colour: ……

(Standard according to valid colour chart)

Pipe brackets: with M10 thread and fixed nut, without pin

Material: aluminium, powder-coated

Colour: standard, same as gutter

**0.000 m** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.38 PREFA downpipe, round, 150 mm ⌀**

Delivery and installation of PREFA downpipes, round, with double-lock standing seam.

Material thickness: 0.70 mm

Size: 150 mm ⌀

Length: 3,000 mm

Material: aluminium

Alloy: EN AW-5010

Finish: coil coating with protective film

Colour: ……

(Standard according to valid colour chart)

Pipe brackets: with M10 thread and fixed nut, without pin

Material: aluminium, powder-coated

Colour: standard, same as gutter

**0.000 m** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.39 PREFA pipe bracket dowel with pin (for ETICS)**

Delivery and installation of PREFA pipe bracket dowel with pin and protective cap; suitable for PREFA pipe brackets and fasteners.

Insulation thickness: 100–160 mm, 180–220 mm

Size: … mm

**0.000 pc.** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.40 PREFA pipe bracket support (in front of the thermal insulation)**

Delivery and installation of PREFA pipe bracket support with pin and protective cap; for PREFA pipe brackets and fasteners. Installation performed prior to mounting the thermal insulation.

Insulation thickness: 100-180 mm, 180-260 mm

Size: … mm

**0.000 pc.** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.41 PREFA pipe bracket pin**

Delivery and installation of PREFA pipe bracket pin with protective cap; suitable for PREFA pipe brackets and fasteners.

Available sizes: 140 mm, 200 mm, 330 mm

Size: … mm

**0.000 pc.** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.42 PREFA downpipe elbow 72°**

Delivery and installation of PREFA downpipe elbow.

Material thickness: 0.70 mm

Material quality: same as the main item

Colour: same as the main item

Angle: 72°

Standard sizes: 60 ⌀, 80 ⌀, 100 ⌀, 120 ⌀, 120 ⌀, 150 ⌀

Size: … ⌀

**0.000 pc.** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.43 PREFA downpipe elbow 85°**

Delivery and installation of PREFA downpipe elbow.

Material thickness: 0.70 mm

Material quality: same as the main item

Colour: same as the main item

Angle: 85°

Standard sizes: 80 ⌀, 100 ⌀, 120 ⌀

Size: … ⌀

**0.000 pc.** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.44 PREFA downpipe elbow 40°**

Delivery and installation of PREFA downpipe elbow.

Material thickness: 0.70 mm

Material quality: same as the main item

Colour: same as the main item

Angle: 40°

Standard sizes: 80 ⌀, 100 ⌀, 120 ⌀

Size: … ⌀

**0.000 pc.** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.45 PREFA downpipe branch**

Delivery and installation of PREFA downpipe branches; for connecting two outlets to the PREFA downpipe.

Material thickness: 0.70 mm

Material quality: same as the main item

Colour: same as the main item

Branch angle: 72° (108°)

Standard sizes: 80 × 80 mm ⌀, 100 × 80 mm ⌀, 100 × 100 mm ⌀, 120 × 80 mm ⌀, 120 × 100 mm ⌀, 120 × 120 mm ⌀

Size: … × … mm ⌀

**0.000 pc.** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.46 PREFA tapered downpipe branch**

Delivery and installation of tapered PREFA downpipe branches; for connecting two drain outlets to the PREFA downpipe.

Material thickness: 0.70 mm

Material quality: same as the main item

Colour: same as the main item

Branch angle: 72° (108°)

Size: 100 × 50–75 mm ⌀

**0.000 pc.** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.47 PREFA downpipe cleanout**

Delivery and installation of PREFA downpipe rain flap with built-in leaf guard; as an outlet for the PREFA downpipe.

Material thickness: 0.80 mm

Material quality: same as the main item

Colour: same as the main item

Length: 420 mm

Available sizes: 80 mm ⌀, 100 mm ⌀, 120 mm ⌀

Size: … mm ⌀

**0.000 pc.** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.48 PREFA water collector**

Delivery and installation of PREFA water collector; including 250-mm long hose; pipe thread diameter 19 mm.

Material thickness: 1.00 mm

Material quality: same as the main item

Colour: same as the main item

Available sizes: 80 mm ⌀, 100 mm ⌀, 120 mm ⌀

Size: … mm ⌀

**0.000 pc.** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.49 PREFA swan neck, 80 mm–150 mm ⌀**

Delivery and installation of PREFA swan neck for levelling out façade projections.

Material thickness: 0.70 mm

Material quality: same as the main item

Colour: same as the main item

Standard sizes: 80 mm ⌀, 100 mm ⌀, 120 mm ⌀, 150 mm ⌀

Size: … mm ⌀

Projection: 60 mm

**0.000 pc.** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.50 PREFA straight downpipe, 80 mm ⌀**

Delivery and installation of PREFA straight downpipe, round, with access pipe; including straight downpipe bracket, standpipe cap and seal.

Size: 80 mm ⌀

Length: 1,000 mm

Material thickness: 2.2 mm

Material quality: galvanised steel

Oberfläche: powder-coated

Colour: same as the main item

**0.000 pc.** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.51 PREFA straight downpipe, 100 mm ⌀**

Delivery and installation of PREFA straight downpipe, round, with access pipe; including straight downpipe bracket, standpipe cap and seal.

Size: 100 mm ⌀

Length: 1,000 mm

Material thickness: 2.2 mm

Material quality: galvanised steel

Oberfläche: powder-coated

Colour: same as the main item

**0.000 pc.** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.52 PREFA straight downpipe, 120 mm ⌀**

Delivery and installation of PREFA straight downpipe, round, with access pipe; including straight downpipe bracket, standpipe cap and seal.

Size: 120 mm ⌀

Length: 1,000 mm

Material thickness: 2.2 mm

Material quality: galvanised steel

Oberfläche: powder-coated

Colour: same as the main item

**0.000 pc.** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.53 PREFA square downpipe, 100 mm**

Delivery and installation of PREFA square downpipe; concealed fastening with PREFA fasteners, M10 thread; uncoated.

On lengths of over 6 m, expansion of the PREFA square downpipe and the possibility of expansion in the joint area must be taken into account.

Size: 100 mm

Standard length: 3,000 mm, 1,500 mm

Material thickness: 1.6 mm

Material: extruded aluminium

Alloy: EN AW-6060 T66

Oberfläche: powder-coated

Colour: ……

(Standard according to valid colour chart)

**0.000 m** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.54 PREFA square downpipe, 100 mm, with access pipe**

Delivery and installation of PREFA square downpipe with access pipe; concealed fastening with PREFA fasteners, M10 thread; uncoated.

On lengths of over 6 m, expansion of the PREFA square downpipe and the possibility of expansion in the joint area must be taken into account.

Size: 100 mm

Standard length: 1,500 mm

Material thickness: 1.6 mm

Material: extruded aluminium

Alloy: EN AW-6060 T66

Oberfläche: powder-coated

Colour: ……

(Standard according to valid colour chart)

**0.000 m** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.55 PREFA square downpipe outlet**

Delivery and installation of PREFA square downpipe outlet for draining the gutter.

Material thickness: 1.5 mm (gutter outlet); 1.6 mm (outlet)

Material: aluminium

Oberfläche: powder-coated

Colour: same as the main item

Standard sizes: 333/100 mm, 400/100 mm

Size: …/100 mm

**0.000 pc.** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.56 PREFA square downpipe leader head**

Delivery and installation of PREFA square downpipe leader head for draining an internal gutter. Bead on 3 sides, eccentric downpipe outlet; distance to façade: 45 mm.

Leader head: 220/220/330 mm

(total height: 330 mm; height without outlet: approx. 230 mm)

Material thickness: 0.70 mm

Material: aluminium

Size: 100 mm

Colour: ……

(Standard according to valid colour chart)

**0.000 pc.** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.57 PREFA parapet outlet square downpipe connector**

Delivery and installation of PREFA square downpipe outlet connector for draining an internal gutter. Including EPDM seal, inclined by 3°, suitable for high-temperature pipes (nominal size: 110).

Material thickness: 1.2 mm

Material: aluminium

Size: 100 mm

Colour: ……

(Standard according to valid colour chart)

**0.000 pc.** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.58 PREFA square downpipe elbow 72° (short)**

Delivery and installation of PREFA square downpipe elbow, short.

Size: 100 mm

Side length: 188 × 188 mm, visible

Material thickness: 1.6 mm

Material: extruded aluminium

Alloy: EN AW-6060 T66

Oberfläche: powder-coated

Colour: ……

(Standard according to valid colour chart)

**0.000 pc.** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.59 PREFA square downpipe elbow 72° (long)**

Delivery and installation of PREFA square downpipe elbow, short.

Size: 100 mm

Side length: 1,000 × 188 mm, visible

Material thickness: 1.6 mm

Material: extruded aluminium

Alloy: EN AW-6060 T66

Oberfläche: powder-coated

Colour: ……

(Standard according to valid colour chart)

**0.000 pc.** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.60 PREFA square downpipe coupling**

Delivery and installation of PREFA square downpipe coupling.

Transition from angular to round.

Material: aluminium

Material thickness: 1.5 mm

Standard size: 100/100 mm ⌀ (for foul drainage pipe; nominal size: 110 mm), 100/115 mm ⌀ (for foul drainage pipe; nominal size: 125 mm)

Size: 100/… mm

Oberfläche: powder-coated

Colour: ……

(Standard according to valid colour chart)

**0.000 pc.** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.61 Surcharge for special colour (powder-coated)**

Surcharge for powder-coating in RAL colour. Length: max. 3,000 mm.

Colour: RAL ……

**0.000 flat rate** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.62 Overflow gutter for internal gutter (EPDM)**

Delivery and installation of overflow gutter for internal gutter; made of one layer of EPDM sealing sheet; on existing substructure. Including installation of overflow gutter with structural matting (on all 3 sides; thickness: min. 3 mm).

Cutting dimension of overflow gutter: … mm

**0.000 m** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.63 Internal gutter made of stainless steel**

Delivery and installation of stainless steel internal gutters (inlaid gutter) on existing substructure, along the inclination. The seams must be securely soldered, including the edge cleat strips on both sides.

Cutting dimension: … mm

Downstand: … pc.

Material thickness: 0.5 mm

Material quality: stainless steel with a surface capable of being soldered

**0.000 m** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.64 Internal gutter made of aluminium strip**

Delivery and installation of internal gutters made of PREFA aluminium strip on existing substructure, along the inclination. The seams must be welded and unfinished, including the edge cleat strips on both sides.

Cutting dimension: … mm

Downstand: … pc.

Material thickness: 1.20 mm

Material: aluminium

Alloy: EN AW-3005

**0.000 m** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.65 Gutter outlet for internal gutters**

Delivery and installation of gutter outlets for internal gutters; including outlets for the overflow gutter as well as a separation layer to prevent the eaves outlet from being in direct contact with the brickwork.

Diameter: up to 150 mm

Connection technology:

Stainless steel: soldering

Aluminium: welding

**0.000 pc.** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.66 Expansion for internal gutters (expansion component)**

Delivery and installation of expansion joint (expansion component) for internal gutters.

Connection technology:

Aluminium: welding

Stainless steel: soldering

**0.000 m** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.67 Dimensioning of internal roof drainage**

Dimensioning/calculation of internal roof drainage in accordance with ÖNORM EN 12056-3 and ÖNORM B 2501.

**0.000 flat rate** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.68 Surcharge for emergency overflows (for internal gutters)**

Delivery and installation of emergency overflows for internal gutters including creation of a base plate.

Cutting dimension: up to 333 mm

Downstand: 4 pc.

Connection technology:

Aluminium: welding

Stainless steel: soldering

**0.000 pc.** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.69 Skilled worker hourly rate**

Skilled worker hourly rate

**0.000 h** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**01.08.70 Assistant hourly rate**

Assistant hourly rate

**0.000 h** UP \_\_\_\_\_\_\_\_\_\_\_\_\_  TP \_\_\_\_\_\_\_\_\_\_\_\_\_

**Title 01.08 PREFA roof drainage systems  TP \_\_\_\_\_\_\_\_\_\_\_\_**

**Summary**

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