



THE ROOF
AS STRONG AS A BULL!

PLANNING GUIDE

FOR PREFA FAÇADE SYSTEMS



70
YEARS
QUALITY
since 1946



CONTENTS

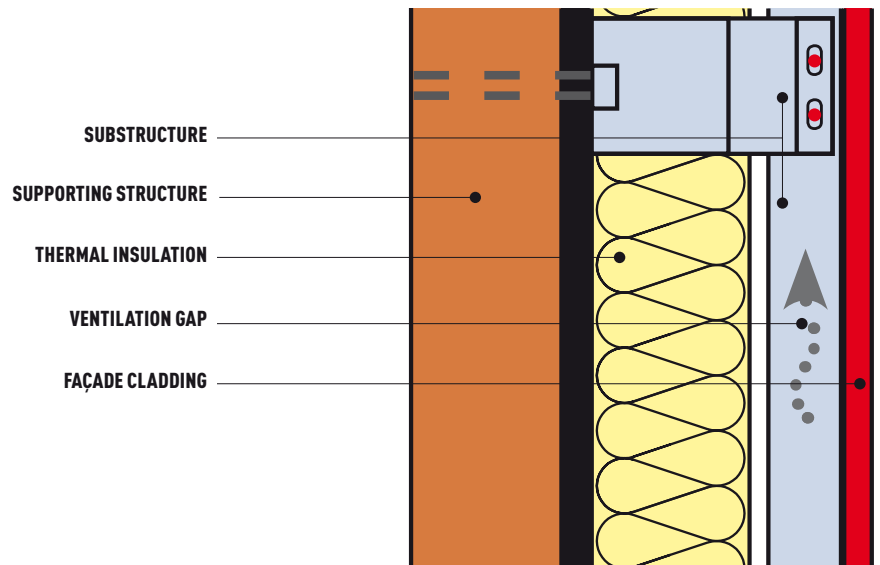


The planning guide shows examples of the different PREFA products and PREFA Aluminium-produkte GmbH accessories in various scenarios. The planning guide is by no means an exhaustive list of all the details or implementation options, and is not meant to be understood as planning or installation guidelines.

Visit www.prefa.com where you can find a comprehensive description of the details next to each respective product. National standards and guidelines may stipulate other designs and must be taken into account.

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VENTILATED FAÇADE



THE VENTILATED FAÇADE — A BRIEF EXPLANATION

It's not without good reason that the façade cladding system known as the “ventilated façade” has been used for centuries in harsh climates.

A characteristic feature of the ventilated façade is the structurally optimised air cavity which separates the weatherproof outer layer from the insulation. Any moisture is channelled through this cavity, ensuring a comfortable indoor climate.

A major advantage of the ventilated façade system is the virtually limitless creative freedom that it offers which is characterised by a long service life.

HOW THE VENTILATED FAÇADE WORKS

Basically, the ventilated façade consists of four components: the supporting structure, thermal insulation, substructure and hung façade cladding.

The thermal insulation reduces heat flow from the inside to the outside and vice versa, while also acting as sound insulation. In addition, the thermal insulation, which is generally made of mineral materials, varies in thickness (depending on the thermal performance to be achieved), and is protected from external weather conditions. The substructure forms the connection between the insulated supporting structure and the façade cladding. A metal substructure makes it possible to compensate for any unevenness in the supporting structure in a way which is free of stress and in the long term. It also offers the possibility of integrating a lightning protection concept.

The ventilated façade cladding serves, on the one hand, as rain and weather protection for the insulated supporting structure, and, on the other, as a design element on new builds and renovated properties.

BUILDING PHYSICS REQUIREMENTS FOR VENTILATED FAÇADES

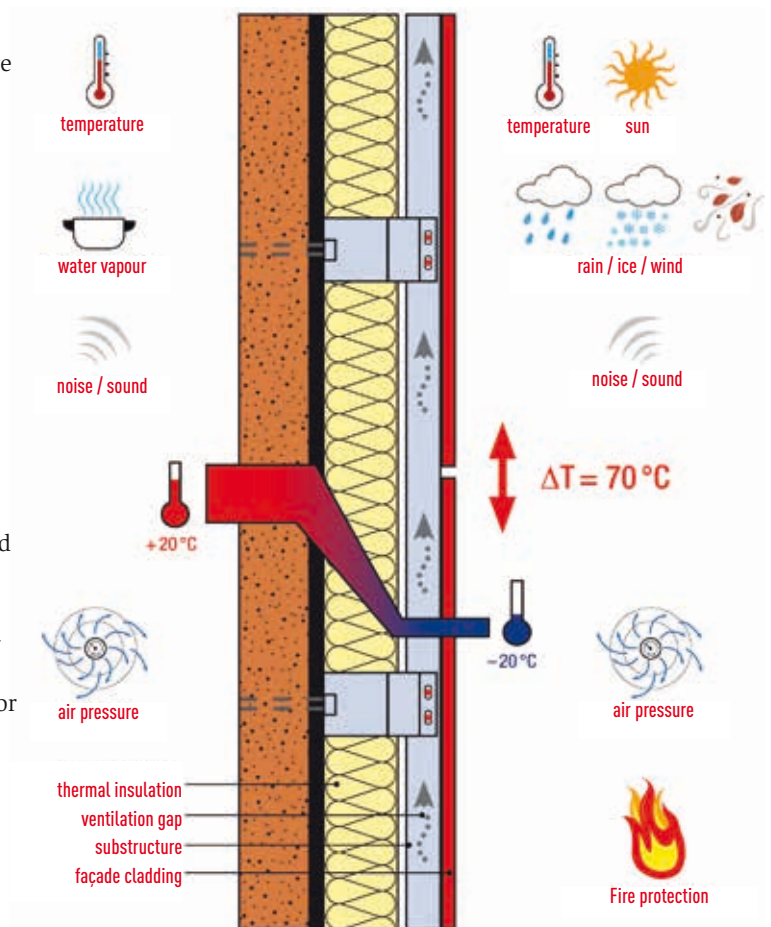
The role of the ventilation gap is to keep the construction dry by ensuring a continuous flow of air through the ventilated cavity between the insulated supporting structure and the façade cladding. Any water vapour or moisture generated by the construction materials or living spaces is dissipated outside.

Open joints in the façade cladding create an additional means for water vapour to escape outside.

In terms of buildings physics, the major benefit of a ventilated façade is that it keeps out the cold in the winter and the heat in the summer.

By correctly dimensioning the ventilation gap, which evacuates the heat in the summer through the constant flow of air, the heat load is kept away from indoor areas. This clearly demonstrates that exterior walls with ventilated façades also ensure a far more pleasant indoor climate.

An important aspect of ventilated façades from an environmental point of view is that they can be easily dismantled which means that individual components can be replaced or recycled at the end of their service life.



SUBSTRUCTURE GENERAL INFORMATION

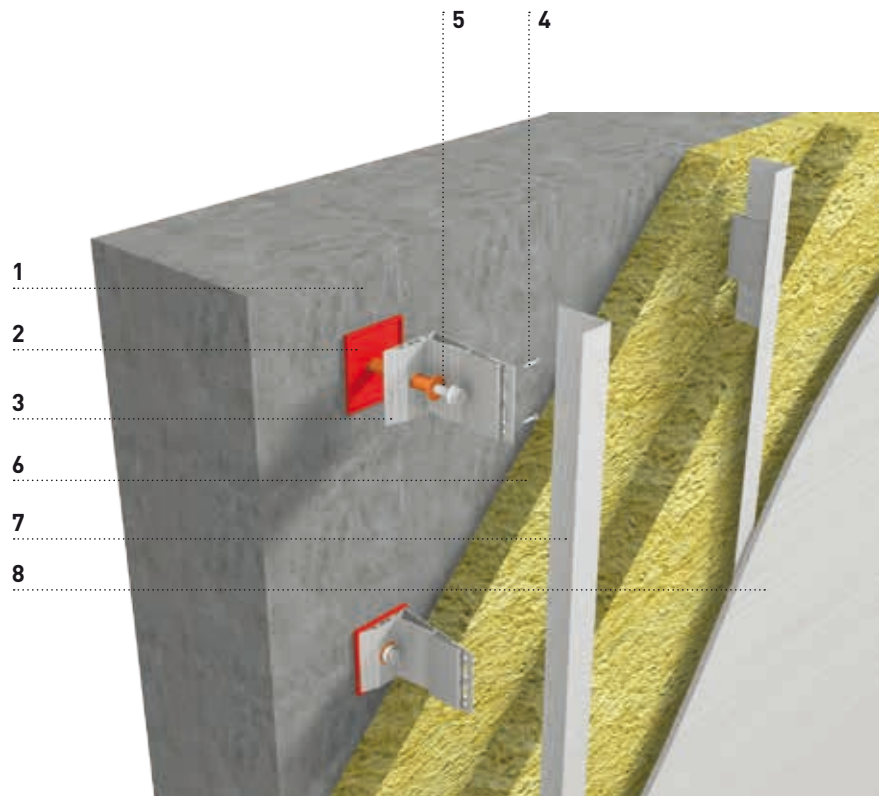
SUBSTRUCTURE — GENERAL INFORMATION

The substructure forms the static connection between the supporting structure and the façade cladding. Basically, the substructure is made up of a thermal break, spacer brackets which separate the façade cladding from the supporting structure, and support profiles, fastened to the supporting structure, for mounting the façade cladding.

The materials used for the substructure are metal (aluminium) and wood, or a combination of both.

The way in which the substructure is fastened depends on the type of substrate and the loads encountered. The support profiles are fastened to the spacer brackets via fixed points or sliding points.

- 1 supporting structure
- 2 thermal break
- 3 spacer bracket (wall angle bracket)
- 4 fastener
- 5 anchoring element (dowel + screw)
- 6 insulation
- 7 support profile
- 8 façade cladding



ALUMINIUM SUBSTRUCTURE

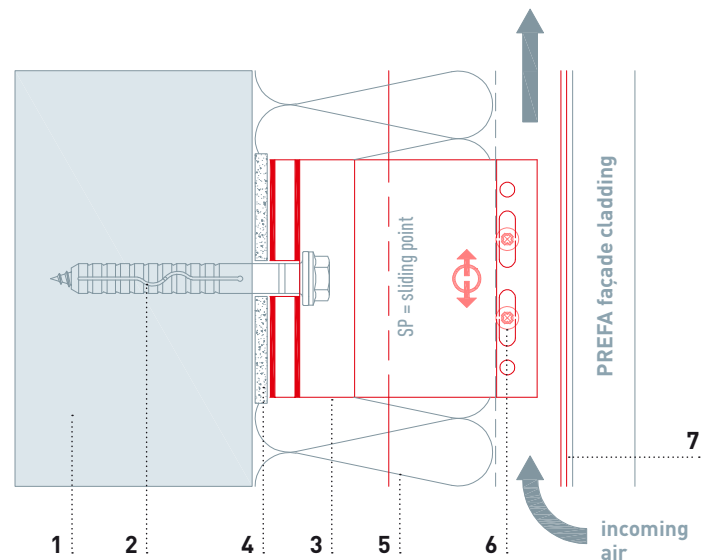
SLIDING POINT DESIGN — ALUMINIUM SUBSTRUCTURE

- 1 supporting structure
- 2 fastener driven into the supporting structure
- 3 spacer bracket
- 4 thermal break
- 5 insulation
- 6 connection screw
- 7 support profile

Basically, the substructure profiles must be mounted at intervals of 3 m to compensate for any changes in length. Larger intervals are permitted provided that adequate measures are taken to ensure that changes in length can be accommodated without damage.

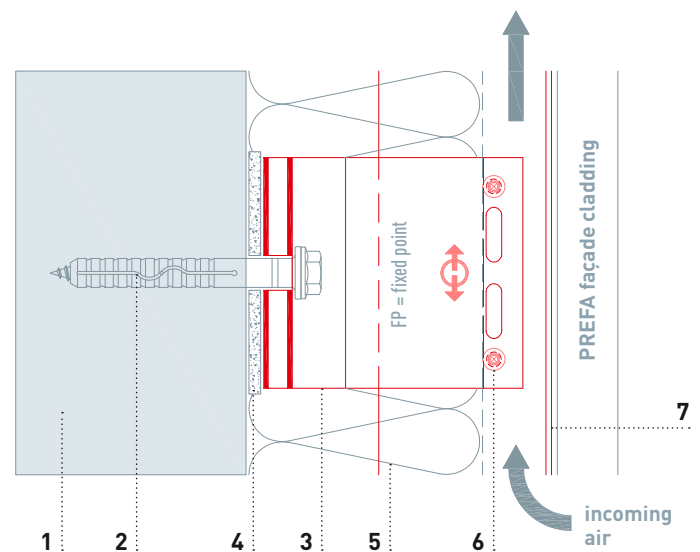
For building physics reasons, spacer brackets with thermal breaks should be mounted to prevent the flow of thermal energy.

The substructure must be mounted via fixed points and sliding points so that the loads and any thermally-induced changes in length can be accommodated without damage. Screws must be used to fasten the support profiles to the spacer brackets. Sliding points must be mounted free of stress.



FIXED POINT DESIGN — ALUMINIUM SUBSTRUCTURE

- 1 supporting structure
- 2 fastener driven into the supporting structure
- 3 spacer bracket
- 4 thermal break
- 5 insulation
- 6 connection screw
- 7 support profile

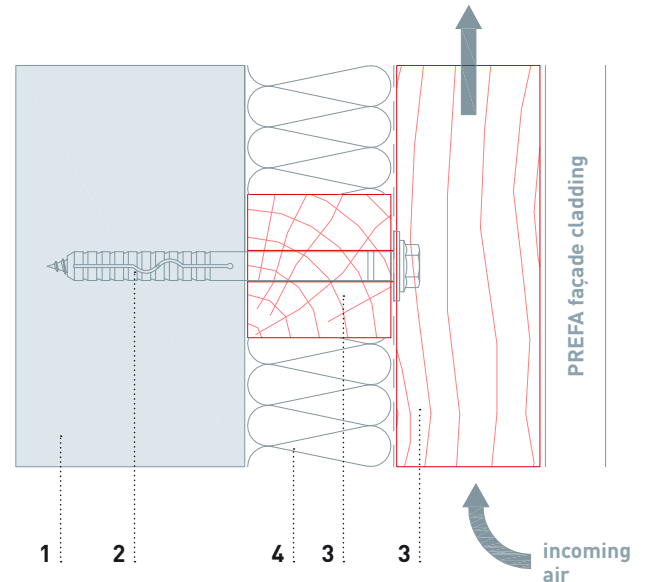


WOOD/WOOD-ALUMINIUM SUBSTRUCTURE

WOOD SUBSTRUCTURE

- 1 supporting structure
- 2 fastener driven into the supporting structure
- 3 square timber
- 4 insulation

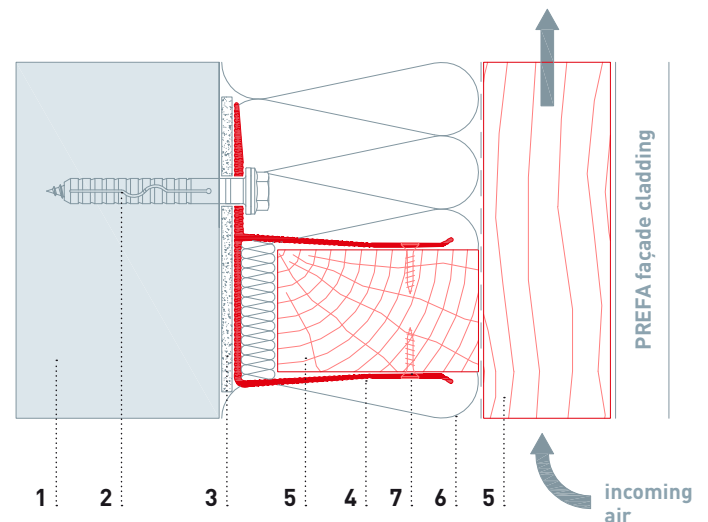
Generally speaking, substructures made of wood are composed of skip sheathing which separates the façade cladding from the supporting structure, and of counter battens fastened to the supporting structure, together with their associated fasteners. The skip sheathing must be interconnected by means of suitable corrosion-resistant screws. The thermal break can be omitted on 100% wood substructures. Due to the low longitudinal expansion of wood, fixed points and sliding points on the substructure can also be omitted.



SUBSTRUCTURE MADE OF ALUMINIUM AND SQUARE TIMBER — HORIZONTAL APPLICATION

- 1 supporting structure
- 2 fastener driven into the supporting structure
- 3 thermal break
- 4 spacer bracket
- 5 square timber
- 6 insulation
- 7 fixing screw

It is also possible to use a substructure composed of a combination of aluminium and wood. With this version, a thermal break should be used under the aluminium spacer bracket to prevent the flow of thermal energy. With this combination, the spacer bracket takes on the role of the skip sheathing. In this case too, due to the low longitudinal expansion of wood, the sliding points can be omitted. The advantage of this version is that it compensates better for any wall unevenness.

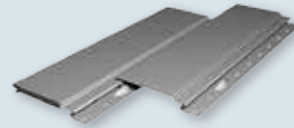




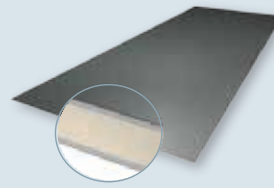
PRODUCT OVERVIEW

FAÇADE SYSTEMS

PREFA SIDING



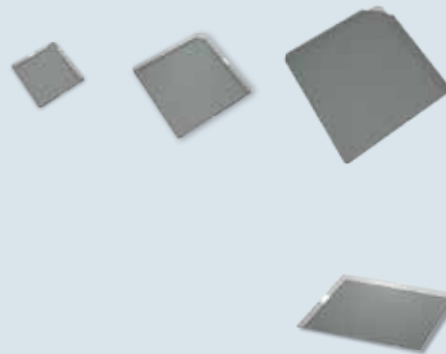
PREFA ALUMINIUM COMPOSITE PANEL



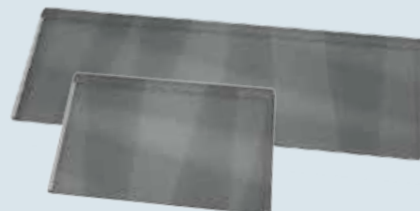
PREFA RIPPLE PROFILE PREFA SERRATED PROFILE



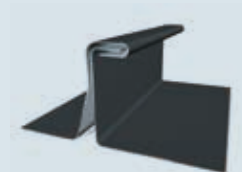
PREFA RHOMBOID FAÇADE TILE 20 × 20 PREFA RHOMBOID FAÇADE TILE 29 × 29 PREFA RHOMBOID FAÇADE TILE 44 × 44 PREFA FAÇADE SHINGLE



PREFA FX.12 FAÇADE PANEL



PREFA PREFALZ



APPLICATION PREFA SIDING

PREFA SIDING

Material: powder-coated aluminium alloy, smooth, stucco or lined surface with shadow gap option

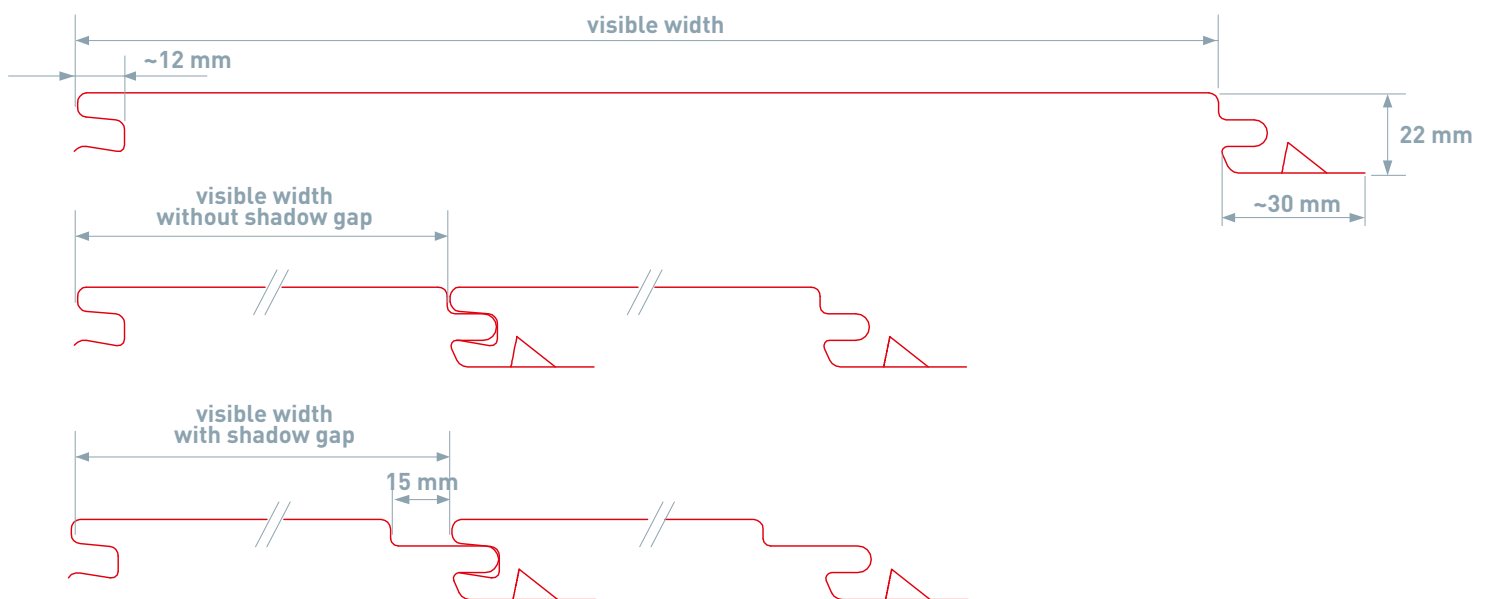
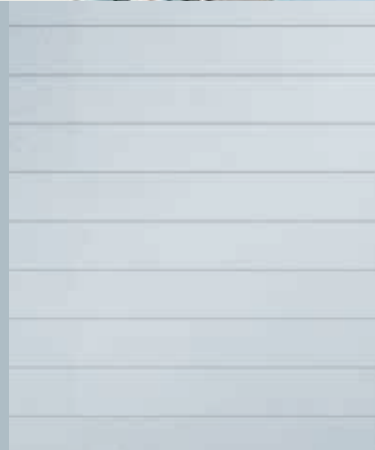
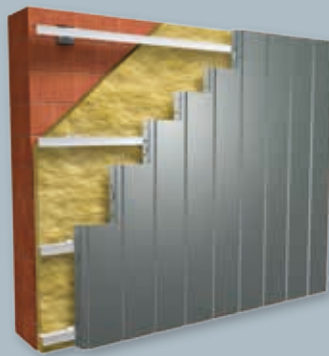
Fastening: screwed down

Coating: high-quality two-layer stove-enamel finish or powder coating

Standard formats: 138 × 0.7 mm, 200 × 1.0 mm, 300 × 1.2 mm

Length: 500–6,200 mm

Weight: approx. 3.30 to 4.30 kg/m²



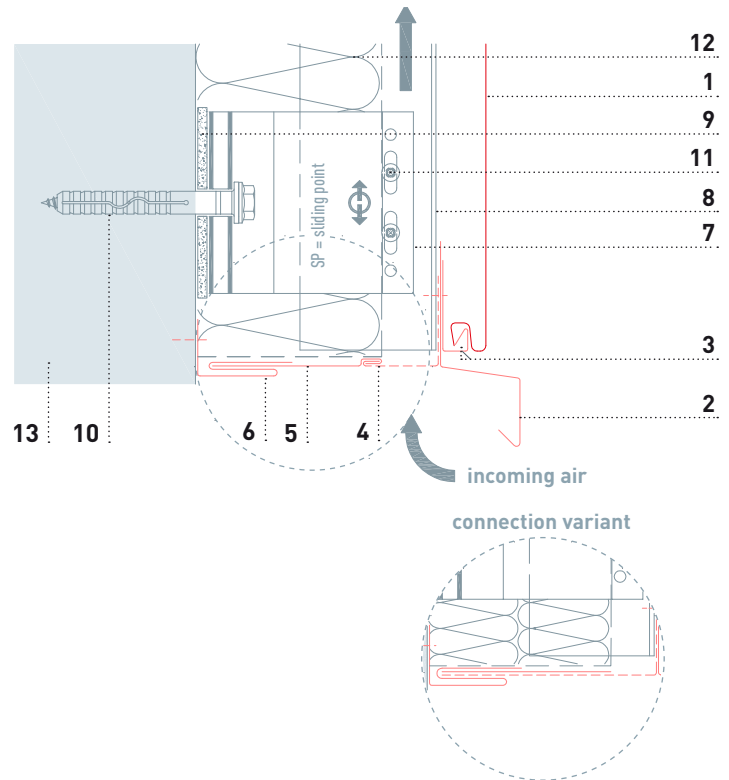
APPLICATION

PREFA SIDING

HORIZONTAL

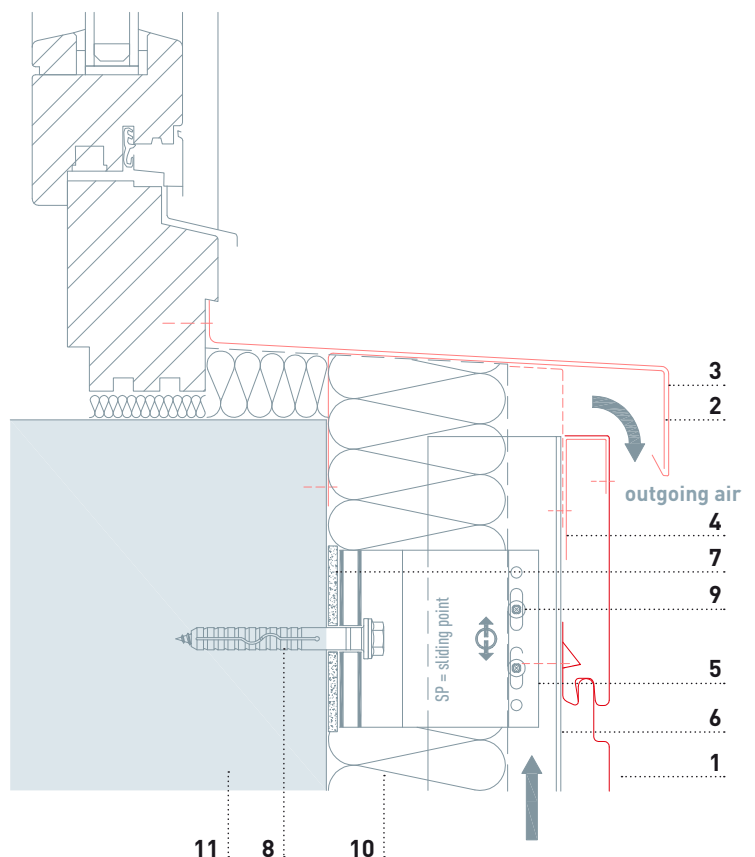
BOTTOM CONNECTION

- 1 PREFA siding
- 2 PREFA drip
- 3 PREFA starter profile
- 4 perforated metal plate (canted)
- 5 cover flashing
- 6 PREFA hemmed flashings
- 7 spacer bracket
- 8 support profile
- 9 thermal break
- 10 fastener driven into the supporting structure
- 11 connection screw
- 12 insulation
- 13 supporting structure



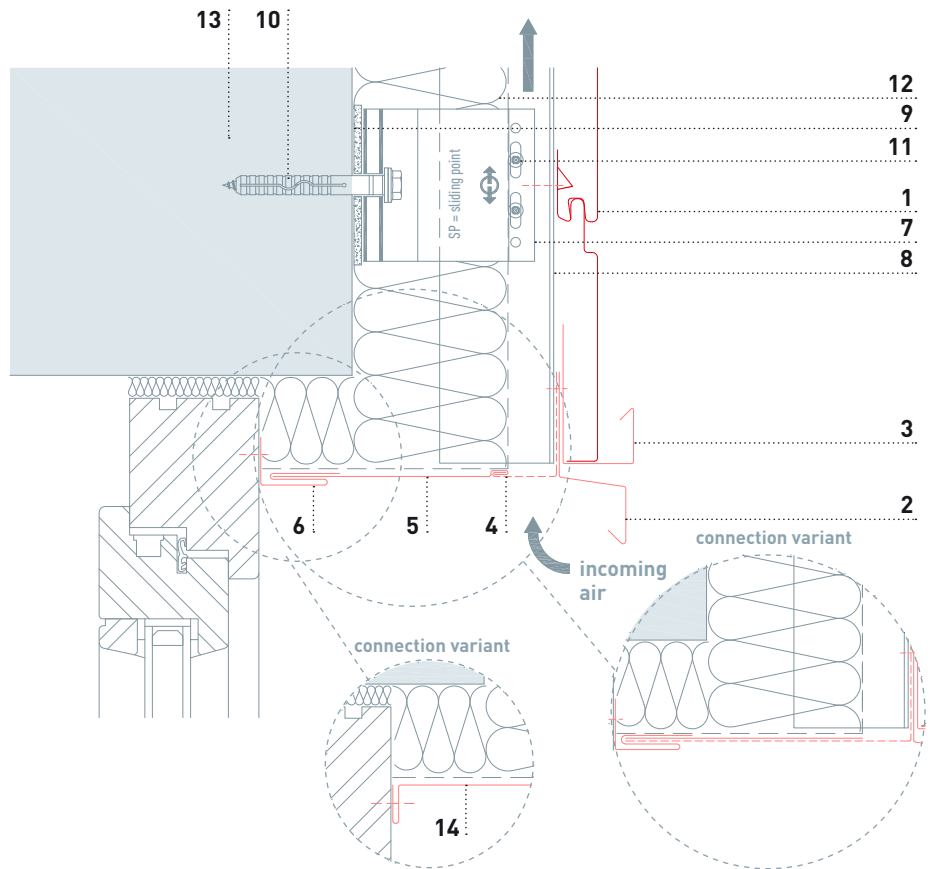
WINDOW LEDGE

- 1 PREFA siding
- 2 continuous pre-formed supporting flashing strip
- 3 window ledge
- 4 channel flashing
- 5 spacer bracket
- 6 support profile
- 7 thermal break
- 8 fastener driven into the supporting structure
- 9 connection screw
- 10 insulation
- 11 supporting structure



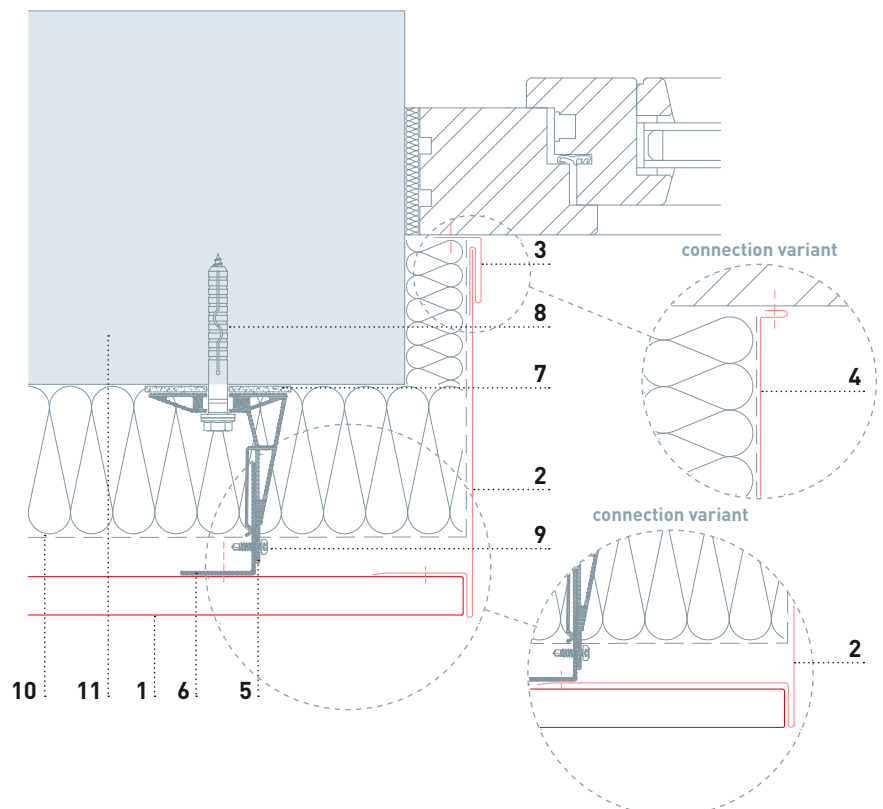
WINDOW LINTEL

- 1 PREFE siding
- 2 PREFE drip
- 3 PREFE channel profile (canted)
- 4 perforated metal plate (canted)
- 5 cover flashing
- 6 PREFE hemmed flashing
- 7 spacer bracket
- 8 support profile
- 9 thermal break
- 10 fastener driven into the supporting structure
- 11 connection screw
- 12 insulation
- 13 supporting structure
- 14 connection variant



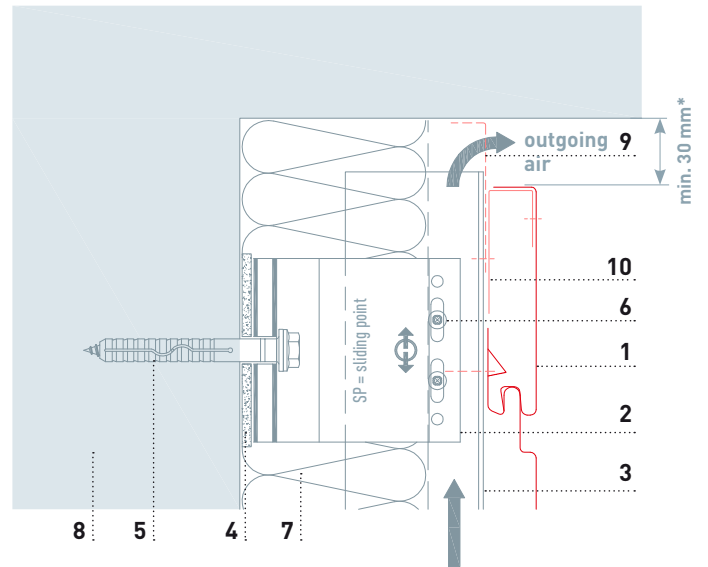
WINDOW REVEAL

- 1 PREFE siding
- 2 reveal flashing
- 3 PREFE hemmed flashing
- 4 connection variant
- 5 spacer bracket
- 6 support profile
- 7 thermal break
- 8 fastener driven into the supporting structure
- 9 connection screw
- 10 insulation
- 11 supporting structure



TOP CONNECTION

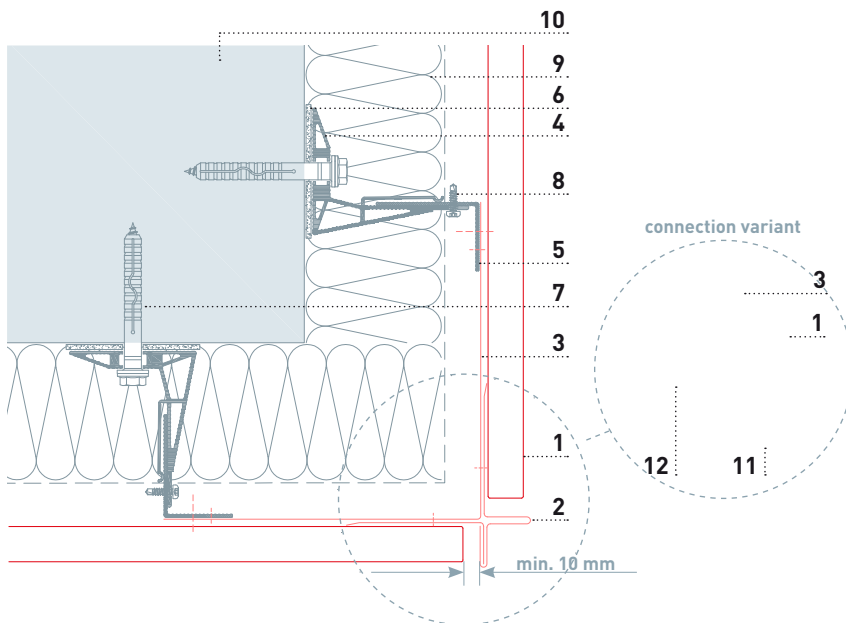
- 1 PREFA siding
- 2 spacer bracket
- 3 support profile
- 4 thermal break
- 5 fastener driven into the supporting structure
- 6 connection screw
- 7 insulation
- 8 supporting structure
- 9 perforated metal plate (canted)
- 10 channel flashing



* National standards and guidelines must be taken into account

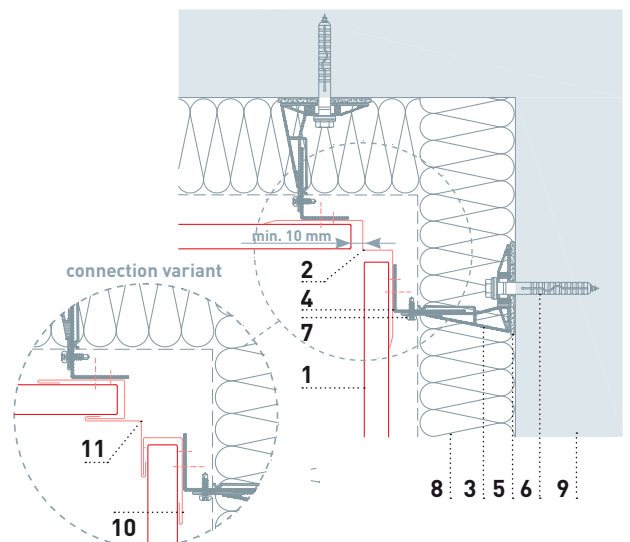
PROTRUDING CORNER

- 1 PREFA siding
- 2 PREFA protruding corner (2 elements)
- 3 corner connector
- 4 spacer bracket
- 5 support profile
- 6 thermal break
- 7 fastener driven into the supporting structure
- 8 connection screw
- 9 insulation
- 10 supporting structure
- 11 external corner flashing
- 12 channel flashing



RECESSED CORNER

- 1 PREFA siding
- 2 PREFA recessed corner
- 3 spacer bracket
- 4 support profile
- 5 thermal break
- 6 fastener driven into the supporting structure
- 7 connection screw
- 8 insulation
- 9 supporting structure
- 10 channel flashing
- 11 internal corner flashing



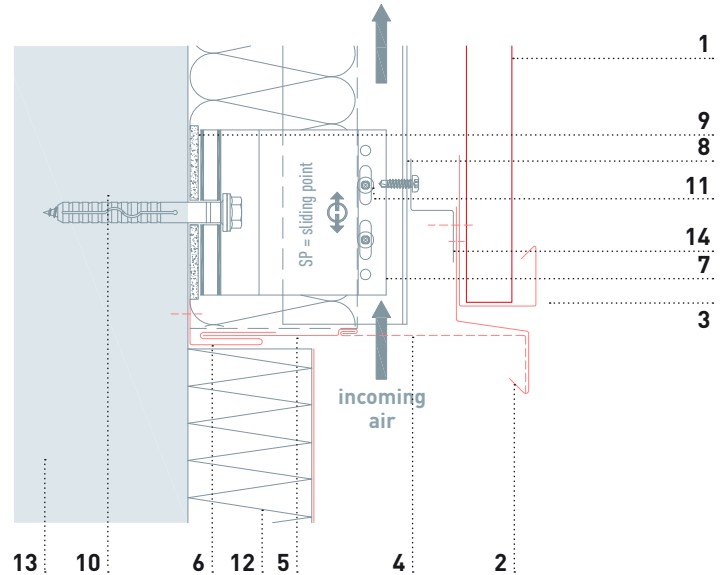
APPLICATION

PREFA SIDING

VERTICAL

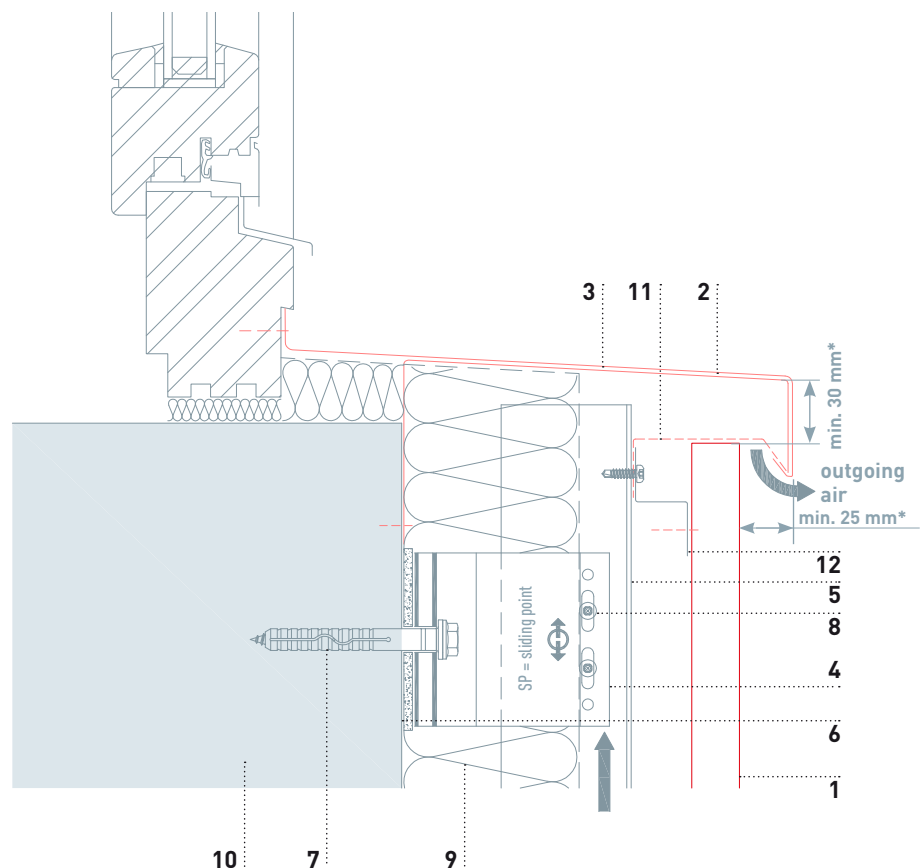
BOTTOM CONNECTION

- 1 PREFA siding
- 2 PREFA drip
- 3 PREFA channel profile (canted)
- 4 perforated metal plate (canted)
- 5 cover flashing
- 6 PREFA hemmed flashing
- 7 spacer bracket
- 8 support profile
- 9 thermal break
- 10 fastener driven into the supporting structure
- 11 connection screw
- 12 insulation
- 13 supporting structure
- 14 Z profile



WINDOW LEDGE

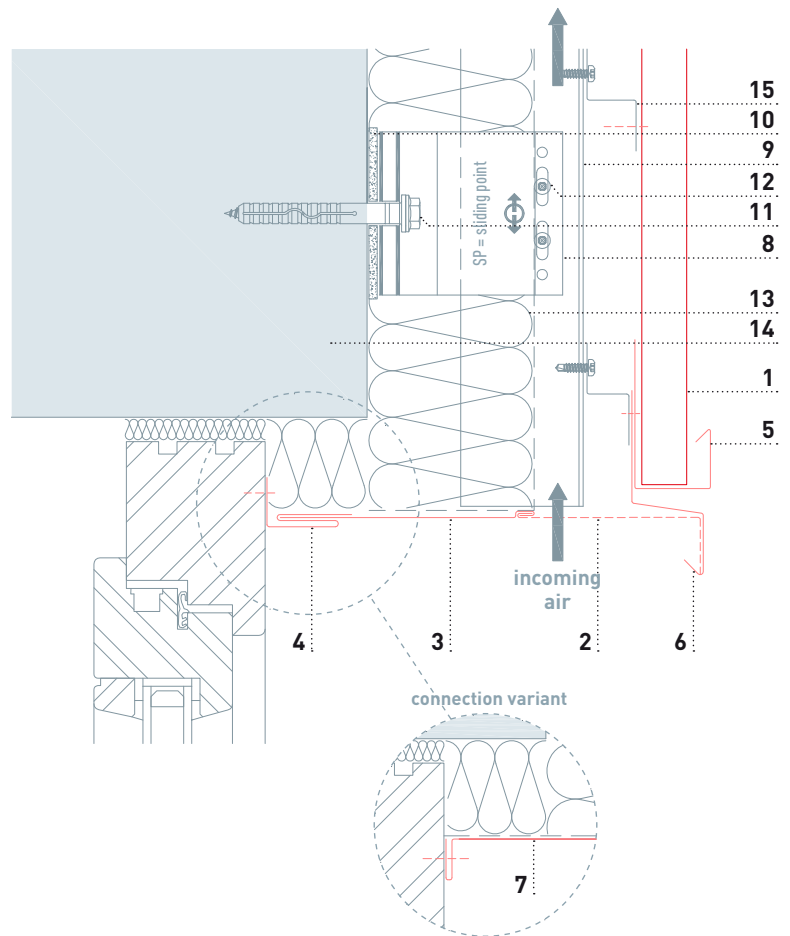
- 1 PREFA siding
- 2 continuous pre-formed supporting flashing strip
- 3 window ledge
- 4 spacer bracket
- 5 support profile
- 6 thermal break
- 7 fastener driven into the supporting structure
- 8 connection screw
- 9 insulation
- 10 supporting structure
- 11 perforated metal plate (canted)
- 12 Z profile



* National standards and guidelines must be taken into account

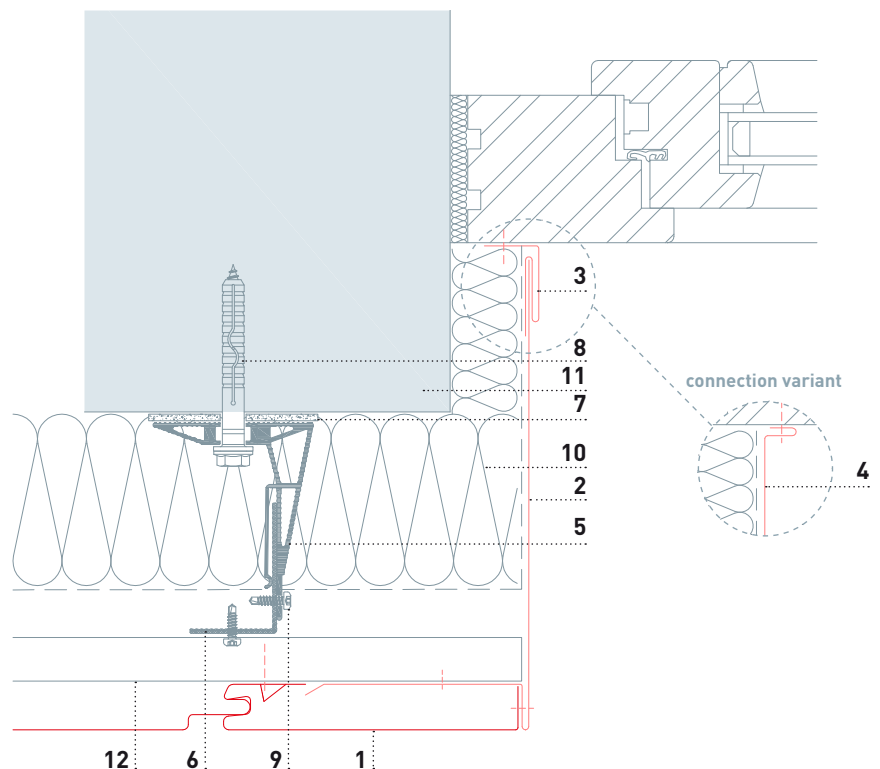
WINDOW LINTEL

- 1 PREFA siding
- 2 perforated metal plate (canted)
- 3 cover flashing
- 4 PREFA hemmed flashing
- 5 PREFA channel profile (canted)
- 6 drip
- 7 connection variant
- 8 spacer bracket
- 9 support profile
- 10 thermal break
- 11 fastener driven into the supporting structure
- 12 connection screw
- 13 insulation
- 14 supporting structure
- 15 Z profile



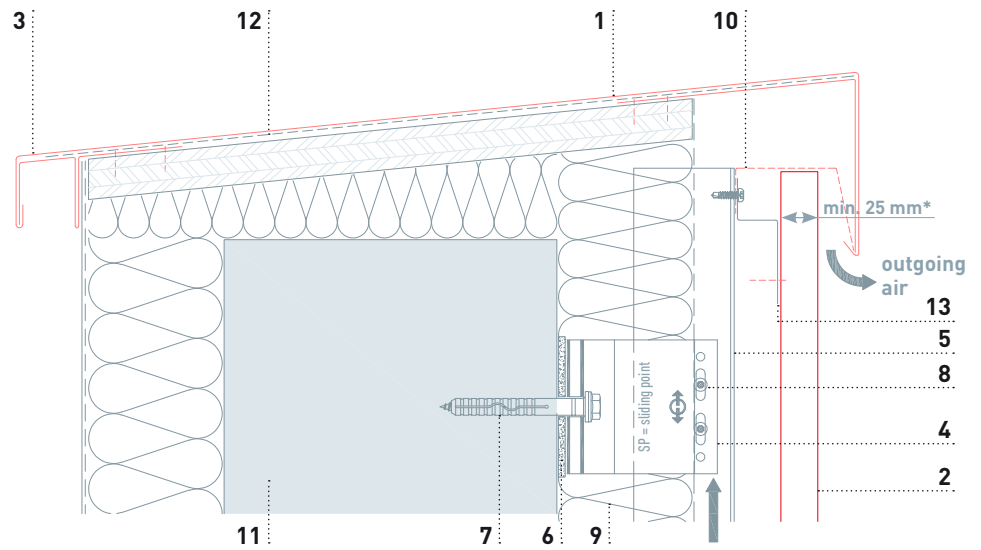
WINDOW REVEAL

- 1 PREFA siding
- 2 reveal flashing
- 3 PREFA hemmed flashing
- 4 connection variant
- 5 spacer bracket
- 6 support profile
- 7 thermal break
- 8 fastener driven into the supporting structure
- 9 connection screw
- 10 insulation
- 11 supporting structure
- 12 Z profile



TOP CONNECTION

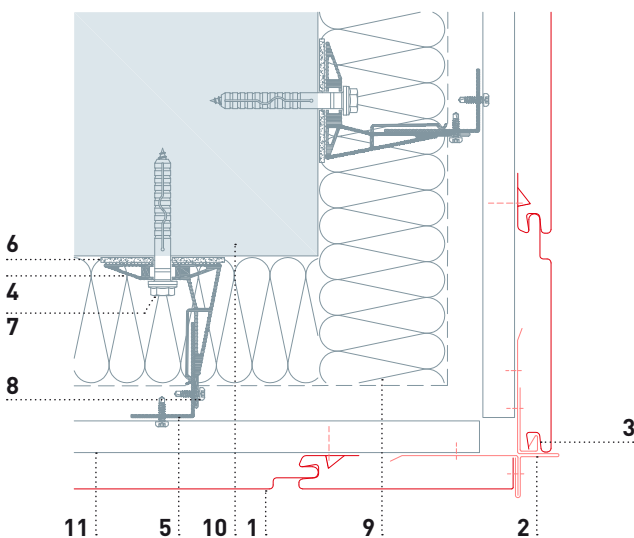
- 1 roof parapet
- 2 PREFAB siding
- 3 cleat strip
- 4 spacer bracket
- 5 support profile
- 6 thermal break
- 7 fastener driven into the supporting structure
- 8 connection screw
- 9 insulation
- 10 perforated metal plate (canted)
- 11 supporting structure
- 12 separating layer
- 13 Z profile



* National standards and guidelines must be taken into account

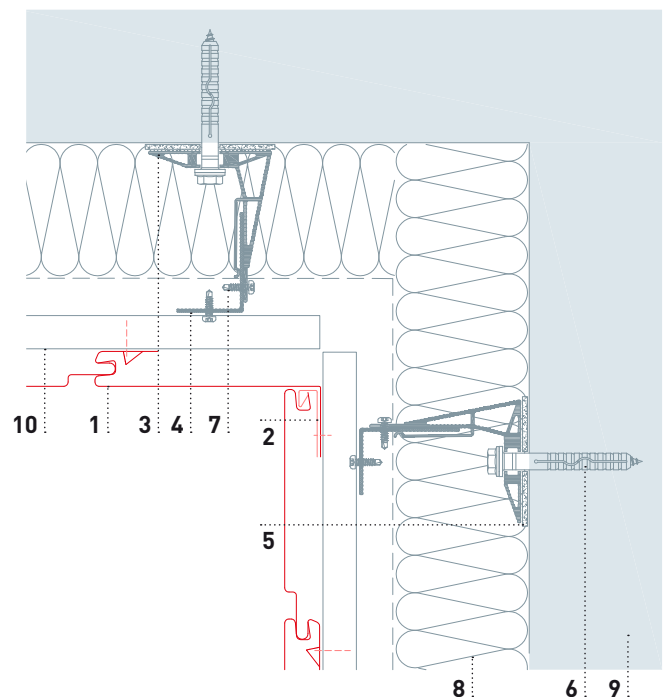
PROTRUDING CORNER

- 1 PREFAB siding
- 2 PREFAB protruding corner (2 elements)
- 3 PREFAB starter profile
- 4 spacer bracket
- 5 support profile
- 6 thermal break
- 7 fastener driven into the supporting structure
- 8 connection screw
- 9 insulation
- 10 supporting structure
- 11 Z profile



RECESSED CORNER

- 1 PREFAB siding
- 2 PREFAB starter profile
- 3 spacer bracket
- 4 support profile
- 5 thermal break
- 6 fastener driven into the supporting structure
- 7 connection screw
- 8 insulation
- 9 supporting structure
- 10 Z profile





APPLICATION PREFA ALUMINIUM COMPOSITE PANEL

PREFA ALUMINIUM COMPOSITE PANEL FR

Material: aluminium with FR core, with protective film

Fastening: screwed down, riveted or glued

Coating: high-quality two-layer stove-enamel finish;
front: Duragloss 5000; reverse: protective paint

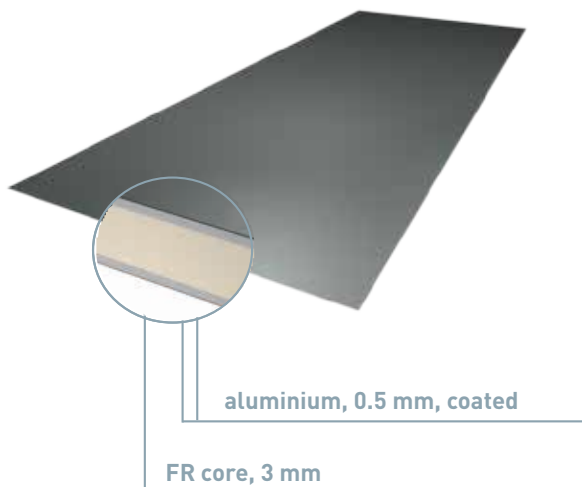
Dimensions: 4,010 × 1,500 × 4.0 mm (customised sizes possible)

Usable format: 4,000 × 1,490 mm

The maximum permitted panel size on glued installations
is 3,000 × 1,500 mm

Weight: 7.5 kg/m²

Core: FR (fire retardant)

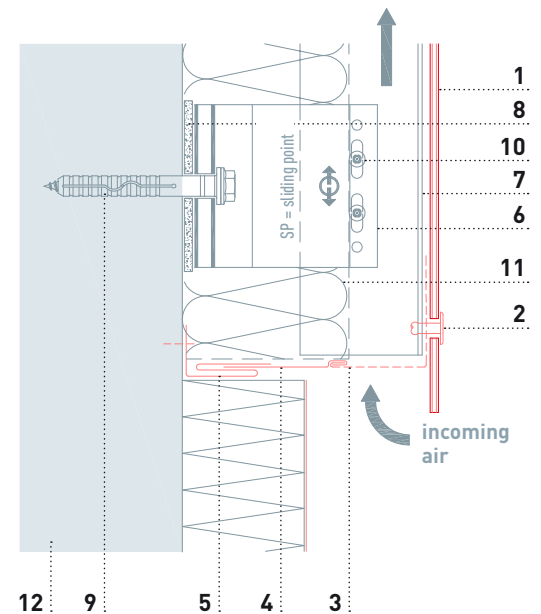


APPLICATION PREFA ALUMINIUM COMPOSITE PANEL

MECHANICAL FASTENING (SCREWED DOWN / RIVETED)

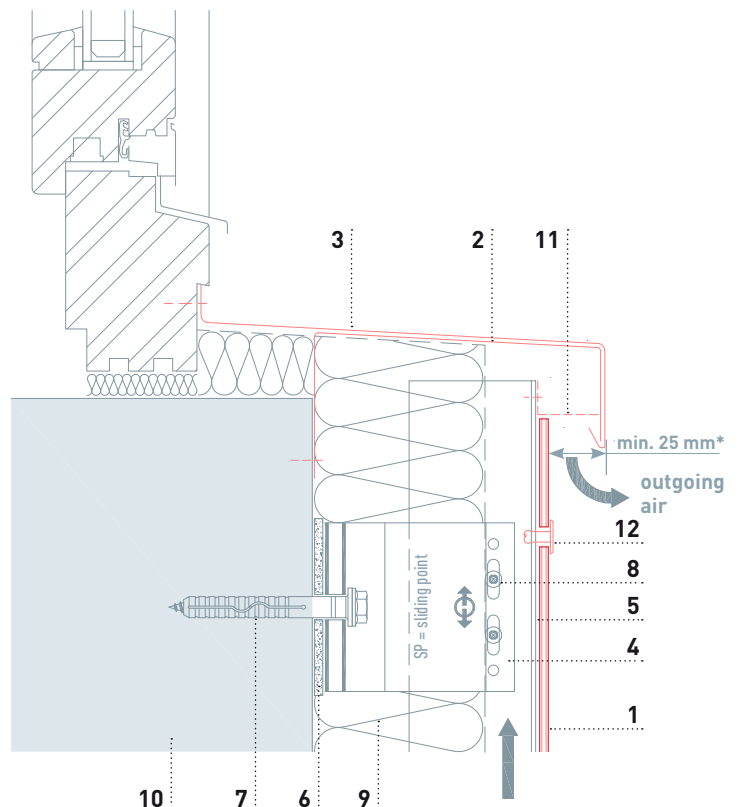
BOTTOM CONNECTION

- 1 PREFA aluminium composite panel
- 2 façade rivet / screw
- 3 perforated metal plate (canted)
- 4 cover flashing
- 5 PREFA hemmed flashing
- 6 spacer bracket
- 7 support profile
- 8 thermal break
- 9 fastener driven into the supporting structure
- 10 connection screw
- 11 insulation
- 12 supporting structure



WINDOW LEDGE

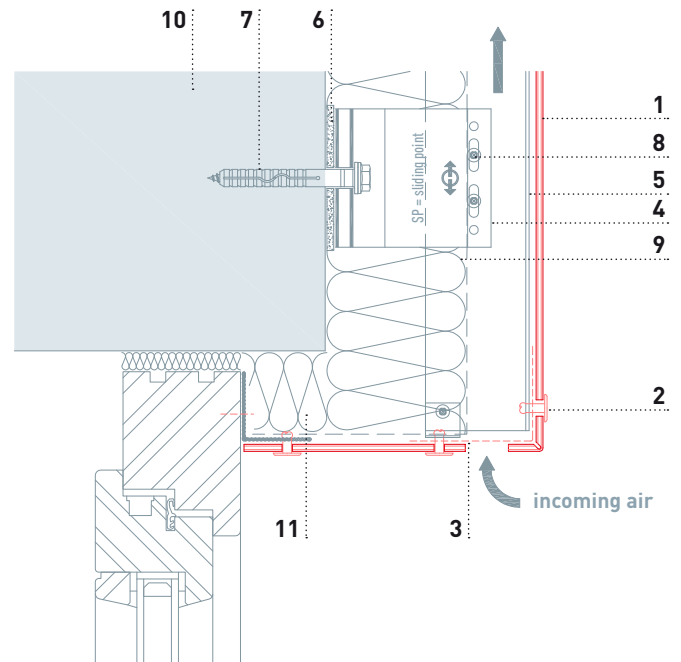
- 1 PREFA aluminium composite panel
- 2 continuous pre-formed supporting flashing strip
- 3 window ledge
- 4 spacer bracket
- 5 support profile
- 6 thermal break
- 7 fastener driven into the supporting structure
- 8 connection screw
- 9 insulation
- 10 supporting structure
- 11 perforated metal plate (canted)
- 12 façade rivet / screw



* National standards and guidelines must be taken into account

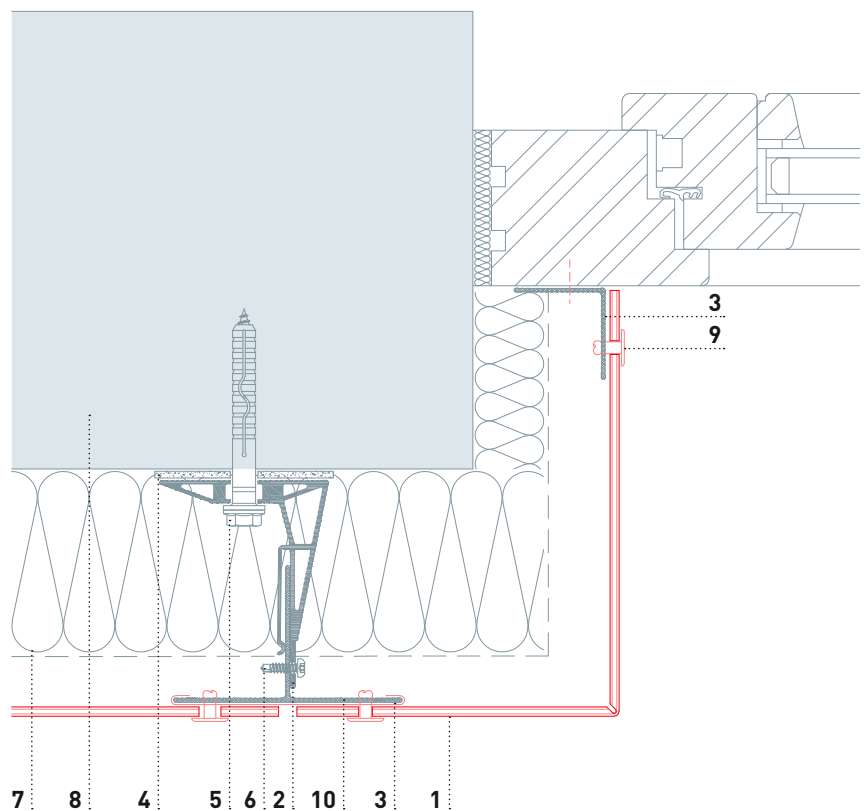
WINDOW LINTEL

- 1 PREFA aluminium composite panel
- 2 façade rivet / screw
- 3 perforated metal plate (canted)
- 4 spacer bracket
- 5 support profile
- 6 thermal break
- 7 fastener driven into the supporting structure
- 8 connection screw
- 9 insulation
- 10 supporting structure
- 11 support profile



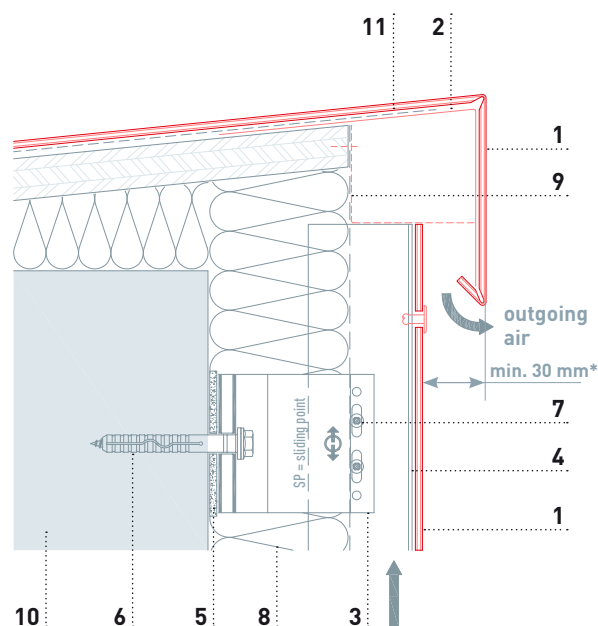
WINDOW REVEAL

- 1 PREFA aluminium composite panel
- 2 spacer bracket
- 3 support profile
- 4 thermal break
- 5 fastener driven into the supporting structure
- 6 connection screw
- 7 insulation
- 8 supporting structure
- 9 façade rivet / screw
- 10 joint backing strip



TOP CONNECTION

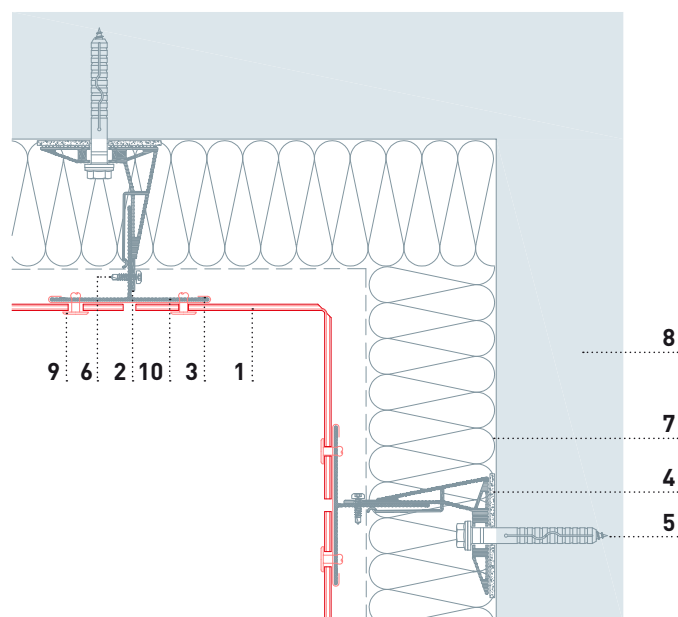
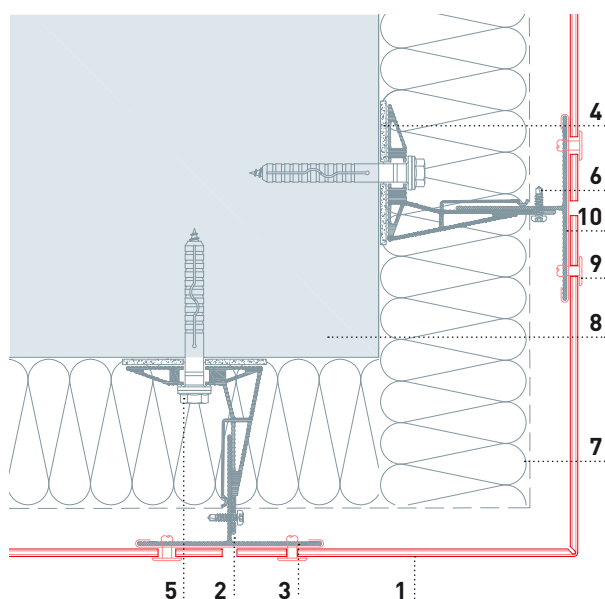
- 1 PREFA aluminium composite panel
- 2 cleat strip
- 3 spacer bracket
- 4 support profile
- 5 thermal break
- 6 fastener driven into the supporting structure
- 7 connection screw
- 8 insulation
- 9 perforated metal plate (canted)
- 10 supporting structure
- 11 separating layer



* National standards and guidelines must be taken into account

PROTRUDING AND RECESSED CORNER

- 1 PREFA aluminium composite panel
- 2 spacer bracket
- 3 support profile
- 4 thermal break
- 5 fastener driven into the supporting structure
- 6 connection screw
- 7 insulation
- 8 supporting structure
- 9 façade rivet / screw
- 10 joint backing strip

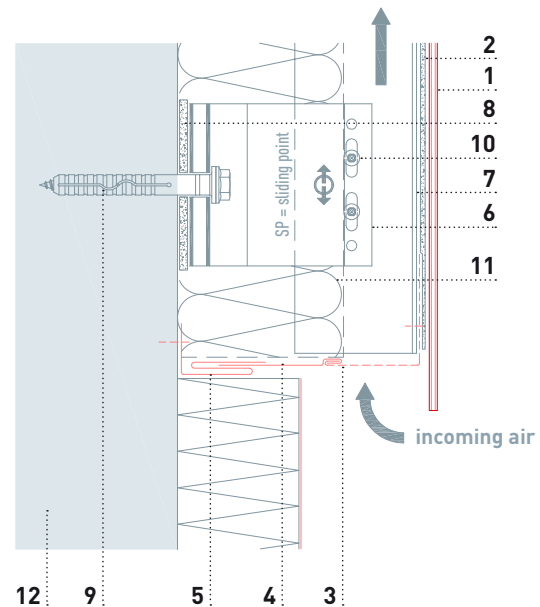


APPLICATION PREFA ALUMINIUM COMPOSITE PANEL

GLUED

BOTTOM CONNECTION

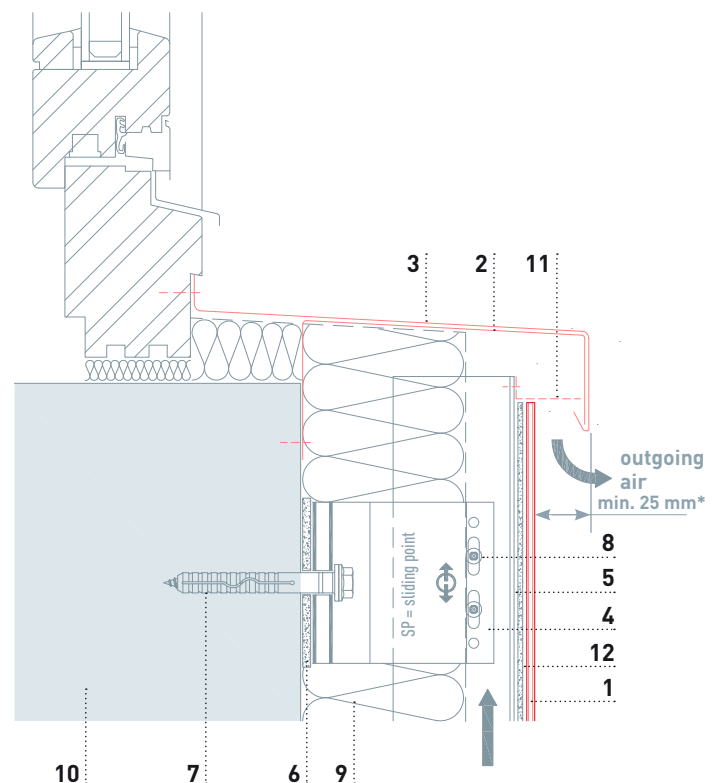
- 1 PREFA aluminium composite panel
- 2 adhesive system
- 3 perforated metal plate (canted)
- 4 cover flashing
- 5 PREFA hemmed flashing
- 6 spacer bracket
- 7 support profile
- 8 thermal break
- 9 fastener driven into the supporting structure
- 10 connection screw
- 11 insulation
- 12 supporting structure



WINDOW LEDGE

(the maximum permitted panel size on glued installations is 3,000 × 1,500 mm)

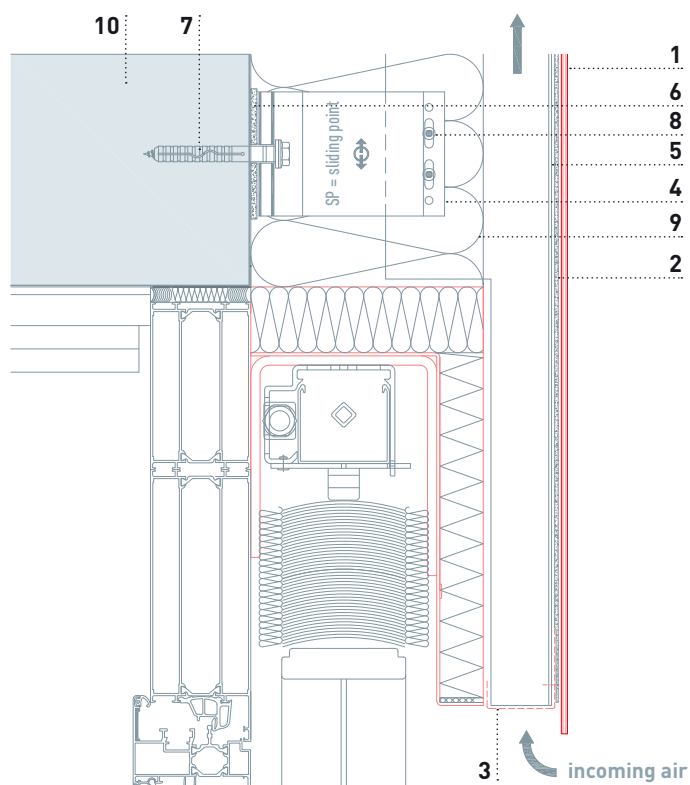
- 1 PREFA aluminium composite panel
- 2 continuous pre-formed supporting flashing strip
- 3 window ledge
- 4 spacer bracket
- 5 support profile
- 6 thermal break
- 7 fastener driven into the supporting structure
- 8 connection screw
- 9 insulation
- 10 supporting structure
- 11 perforated metal plate (canted)
- 12 adhesive system



* National standards and guidelines must be taken into account

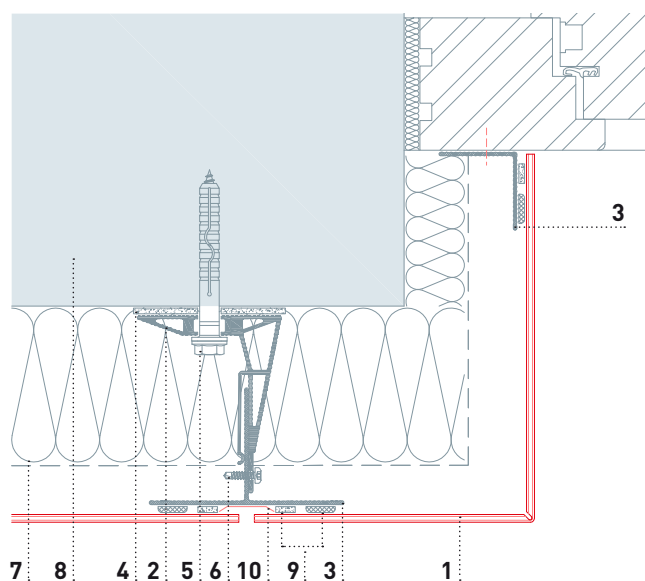
WINDOW LINTEL

- 1 PREFA aluminium composite panel
- 2 adhesive system
- 3 perforated metal plate (canted)
- 4 spacer bracket
- 5 support profile
- 6 thermal break
- 7 fastener driven into the supporting structure
- 8 connection screw
- 9 insulation
- 10 supporting structure



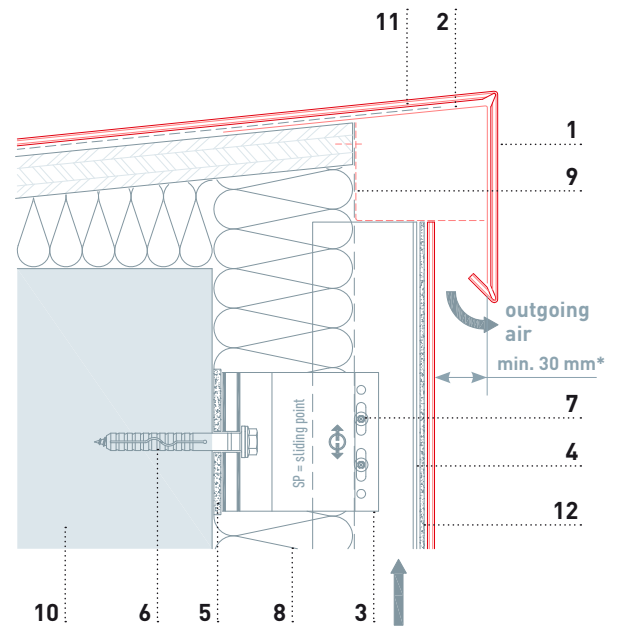
WINDOW REVEAL

- 1 PREFA aluminium composite panel
- 2 spacer bracket
- 3 support profile
- 4 thermal break
- 5 fastener driven into the supporting structure
- 6 connection screw
- 7 insulation
- 8 supporting structure
- 9 adhesive system
- 10 joint backing strip



TOP CONNECTION

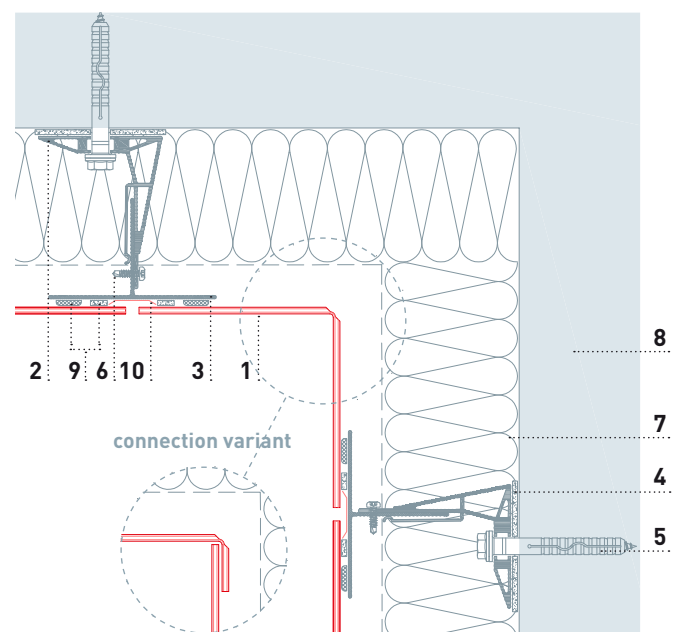
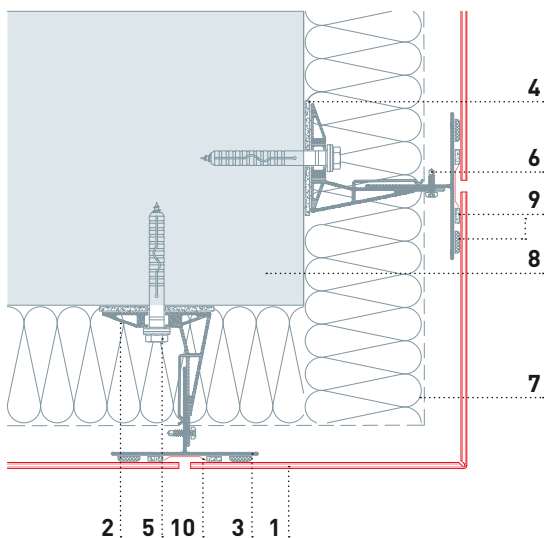
- 1 PREFA aluminium composite panel
- 2 cleat strip
- 3 spacer bracket
- 4 support profile
- 5 thermal break
- 6 fastener driven into the supporting structure
- 7 connection screw
- 8 insulation
- 9 perforated metal plate (canted)
- 10 supporting structure
- 11 separating layer
- 12 adhesive system



* National standards and guidelines must be taken into account

PROTRUDING AND RECESSED CORNER

- 1 PREFA aluminium composite panel
- 2 spacer bracket
- 3 support profile
- 4 thermal break
- 5 fastener driven into the supporting structure
- 6 connection screw
- 7 insulation
- 8 supporting structure
- 9 adhesive system
- 10 joint backing strip



APPLICATION

PREFA EXTRUDED PROFILES

PREFA EXTRUDED PROFILES

Material: extruded aluminium alloy

Fastening: screwed down, riveted (concealed)

Surface: blank, powder coated (max. 3 m) or anodised

Dimensions (profile height × spacing × material thickness):

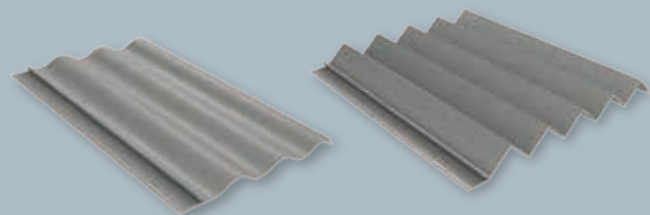
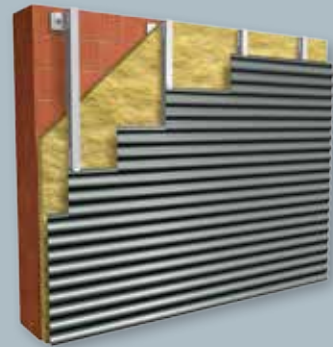
ripple profile: 10/47/2.0 mm; width: 140 mm

serrated profile: 22/40/2.0 mm; width: 200 mm

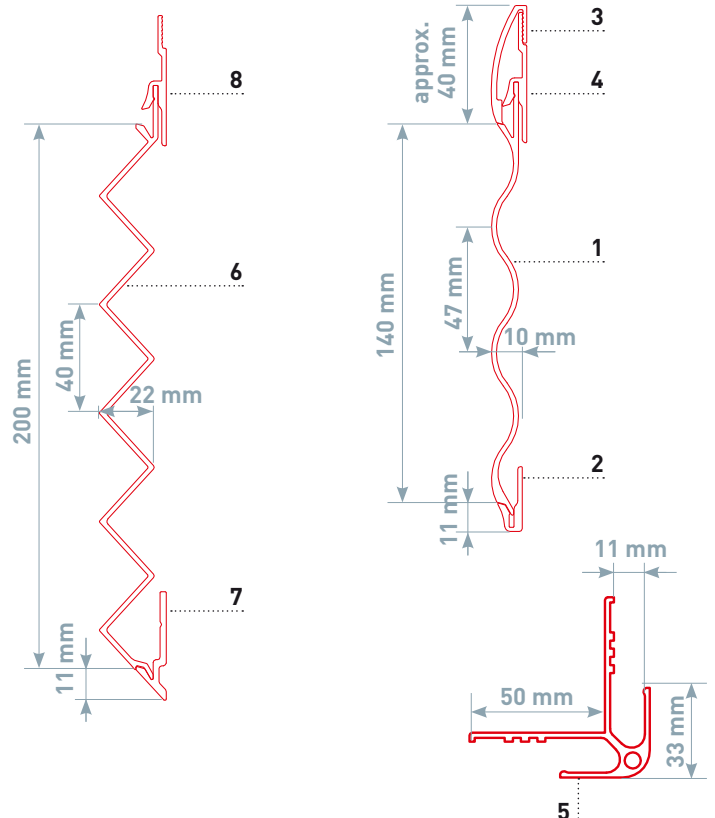
Weight:

ripple profile: 6,6 kg/m²

serrated profile: 7.5 kg/m²



- 1 PREFA ripple profile 10/47/2.0 mm
- 2 PREFA starter profile for ripple profile
- 3 PREFA closing profile for ripple profile
(only to be used with PREFA sliding clips)
- 4 PREFA sliding clip for ripple profile
- 5 PREFA protruding corner for ripple profile
- 6 PREFA serrated profile 22/40/2.0 mm
- 7 PREFA starter profile for serrated profile
- 8 PREFA sliding clip for serrated profile



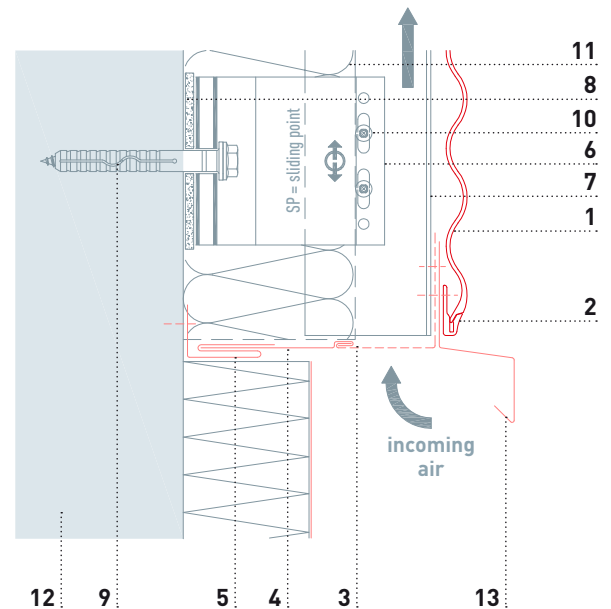
APPLICATION

PREFA RIPPLE PROFILE

HORIZONTAL

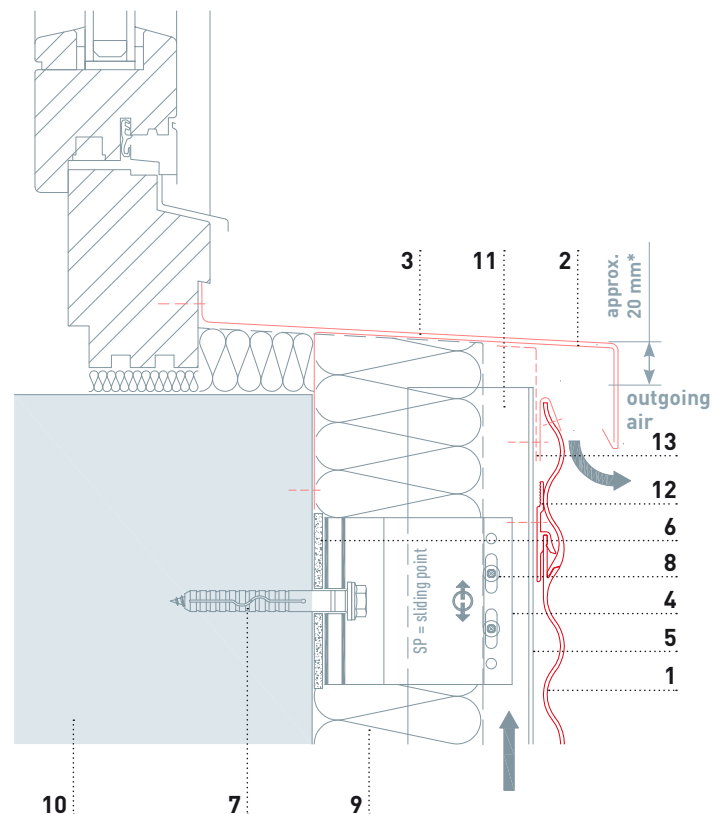
BOTTOM CONNECTION

- 1 PREFA ripple profile 10/47/2.0 mm
- 2 PREFA starter profile for ripple profile
- 3 perforated metal plate (canted)
- 4 cover flashing
- 5 PREFA hemmed flashing
- 6 spacer bracket
- 7 support profile
- 8 thermal break
- 9 fastener driven into the supporting structure
- 10 connection screw
- 11 insulation
- 12 supporting structure
- 13 drip



WINDOW LEDGE

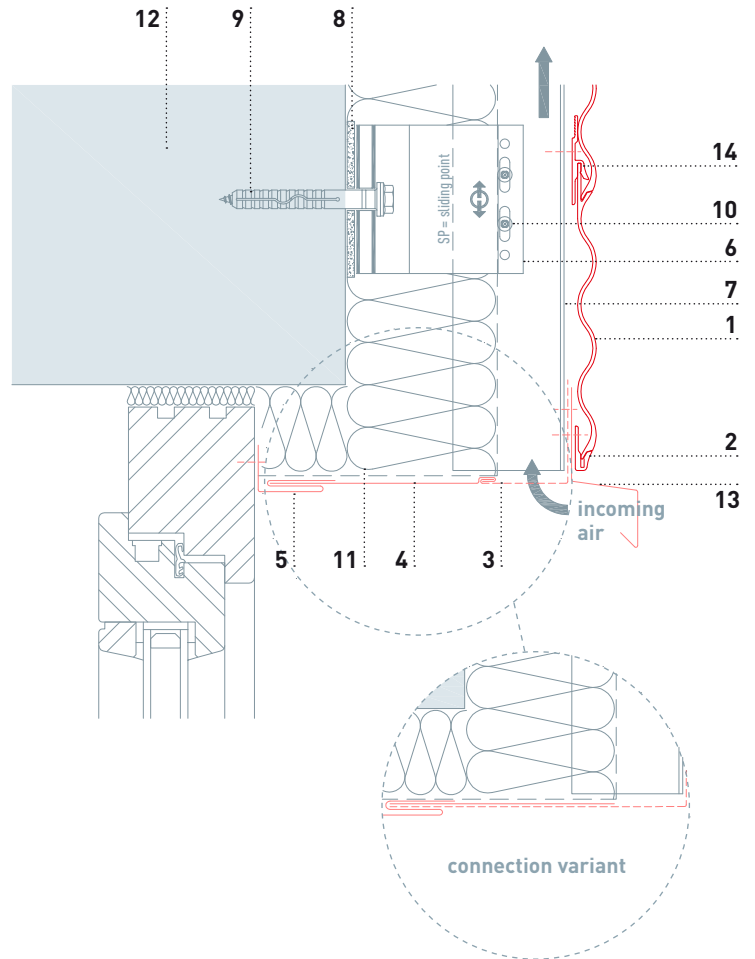
- 1 PREFA ripple profile 10/47/2.0 mm
- 2 continuous pre-formed supporting flashing strip
- 3 window ledge
- 4 spacer bracket
- 5 support profile
- 6 thermal break
- 7 fastener driven into the supporting structure
- 8 connection screw
- 9 insulation
- 10 supporting structure
- 11 perforated metal plate (canted)
- 12 PREFA sliding clip for ripple profile
- 13 double-lock clip



* National standards and guidelines must be taken into account

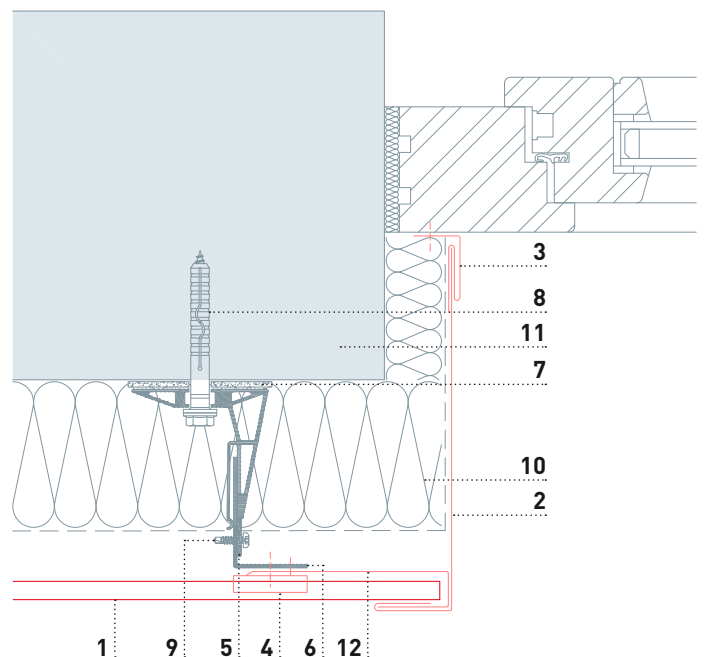
WINDOW LINTEL

- 1 PREFE ripple profile 10/47/2.0 mm
- 2 PREFE starter profile for ripple profile
- 3 perforated metal plate (canted)
- 4 cover flashing
- 5 PREFE hemmed flashing
- 6 spacer bracket
- 7 support profile
- 8 thermal break
- 9 fastener driven into the supporting structure
- 10 connection screw
- 11 insulation
- 12 supporting structure
- 13 drip
- 14 PREFE sliding clip for ripple profile



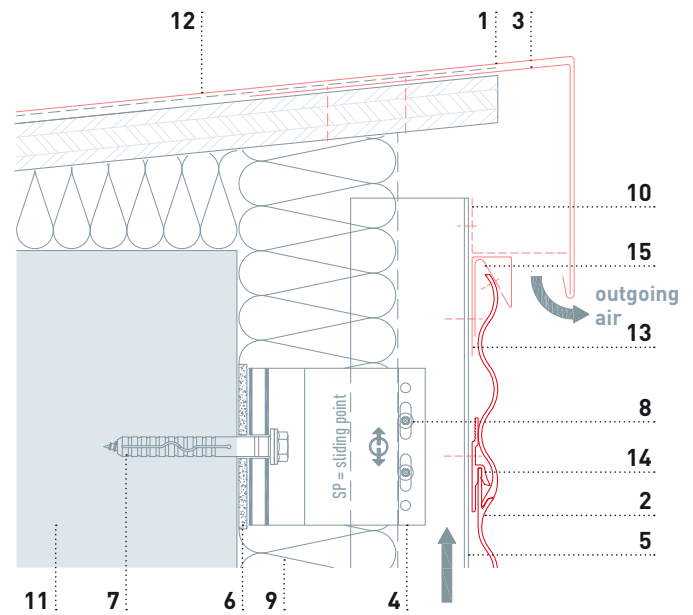
WINDOW REVEAL

- 1 PREFE extruded profile
- 2 reveal flashing
- 3 PREFE hemmed flashing
- 4 PREFE sliding clip
- 5 spacer bracket
- 6 support profile
- 7 thermal break
- 8 fastener driven into the supporting structure
- 9 connection screw
- 10 insulation
- 11 supporting structure
- 12 channel flashing



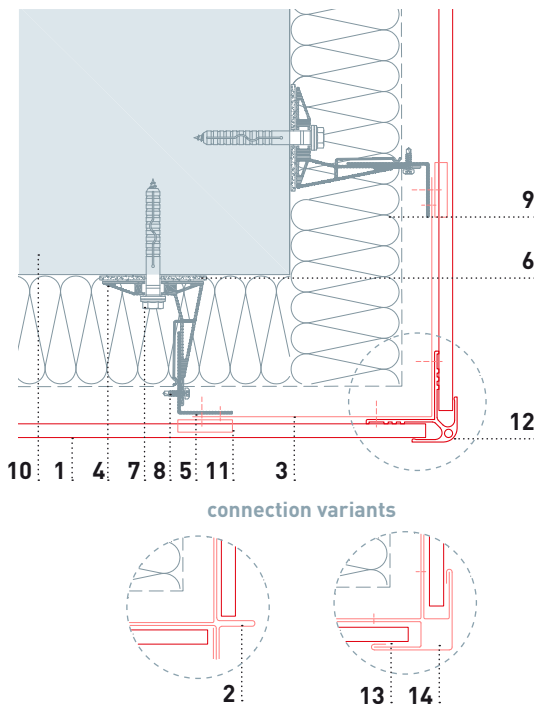
TOP CONNECTION

- 1 roof parapet
- 2 PREFA extruded profile
- 3 cleat strip
- 4 spacer bracket
- 5 support profile
- 6 thermal break
- 7 fastener driven into the supporting structure
- 8 connection screw
- 9 insulation
- 10 perforated metal plate (canted)
- 11 supporting structure
- 12 separating layer
- 13 channel flashing
- 14 PREFA sliding clip
- 15 double-lock clip



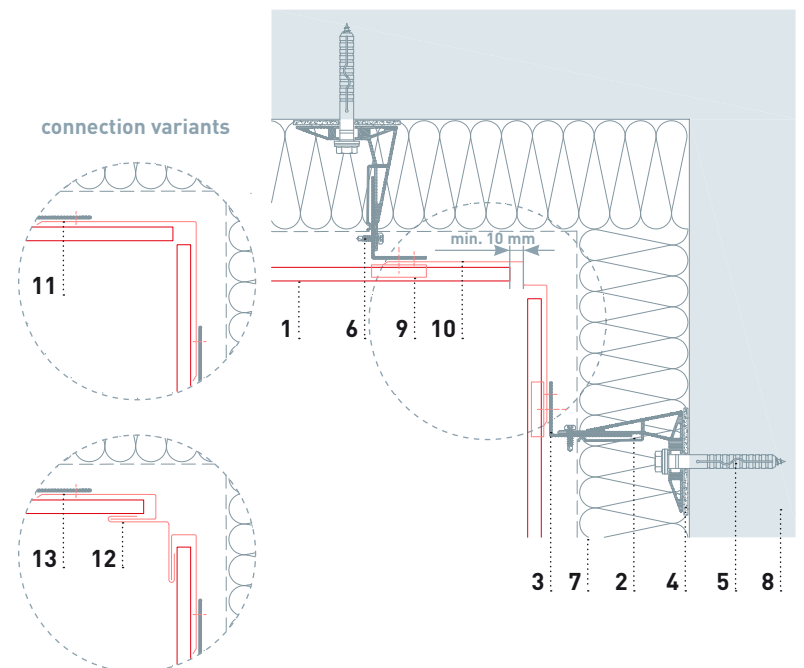
PROTRUDING CORNER

- 1 PREFA extruded profile
- 2 PREFA protruding corner (2 elements)
- 3 corner connector
- 4 spacer bracket
- 5 support profile
- 6 thermal break
- 7 fastener driven into the supporting structure
- 8 connection screw
- 9 insulation
- 10 supporting structure
- 11 PREFA sliding clip
- 12 PREFA protruding corner for ripple profile
- 13 channel flashing
- 14 external corner flashing



RECESSED CORNER

- 1 PREFA extruded profile
- 2 spacer bracket
- 3 support profile
- 4 thermal break
- 5 fastener driven into the supporting structure
- 6 connection screw
- 7 insulation
- 8 supporting structure
- 9 PREFA sliding clip
- 10 recessed corner (canted) — version 1
- 11 recessed corner (canted) — version 2
- 12 recessed corner (canted) — version 3
- 13 channel flashing



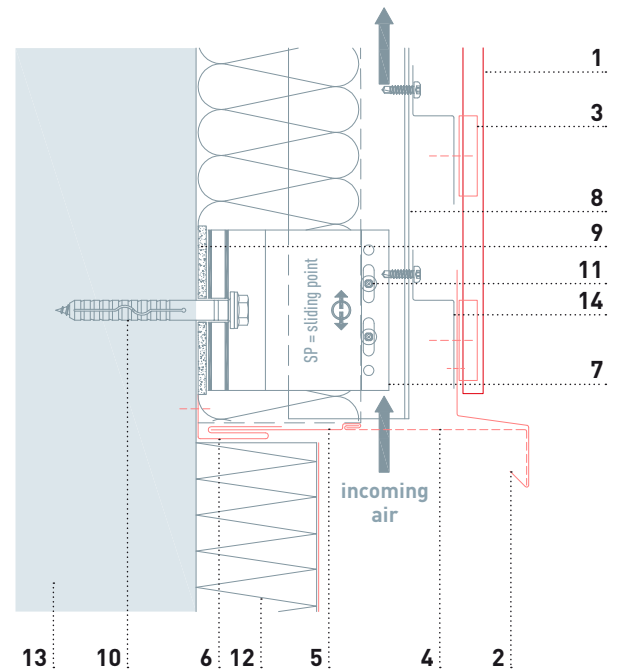
APPLICATION

PREFA RIPPLE PROFILE

VERTICAL

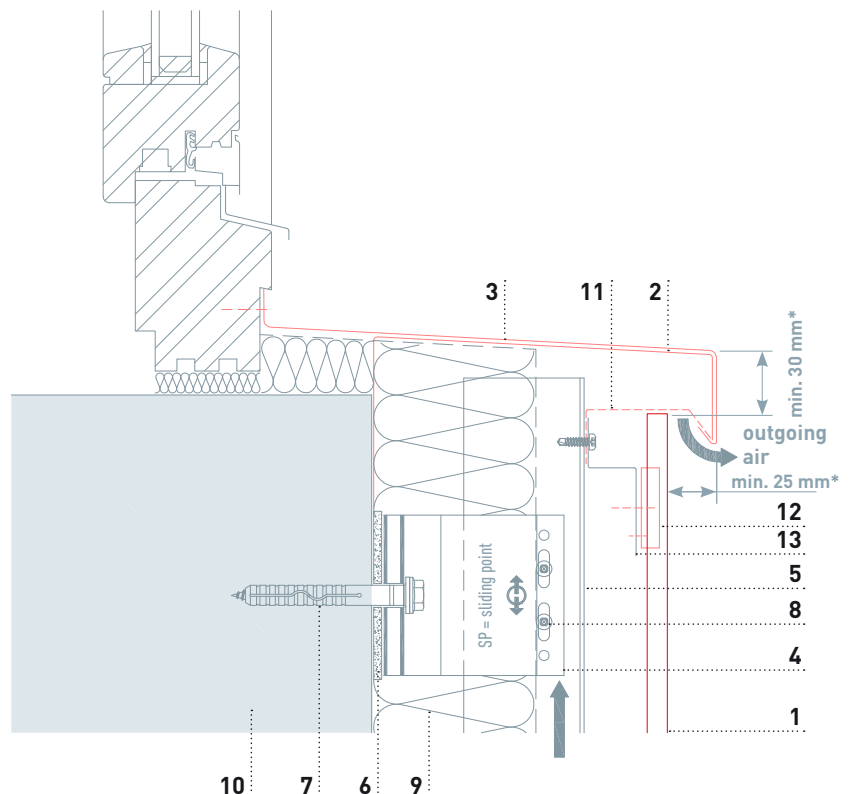
BOTTOM CONNECTION

- 1 PREFA extruded profile
- 2 PREFA drip
- 3 PREFA sliding clip
- 4 perforated metal plate (canted)
- 5 cover flashing
- 6 PREFA hemmed flashing
- 7 spacer bracket
- 8 support profile
- 9 thermal break
- 10 fastener driven into the supporting structure
- 11 connection screw
- 12 insulation
- 13 supporting structure
- 14 Z profile



WINDOW LEDGE

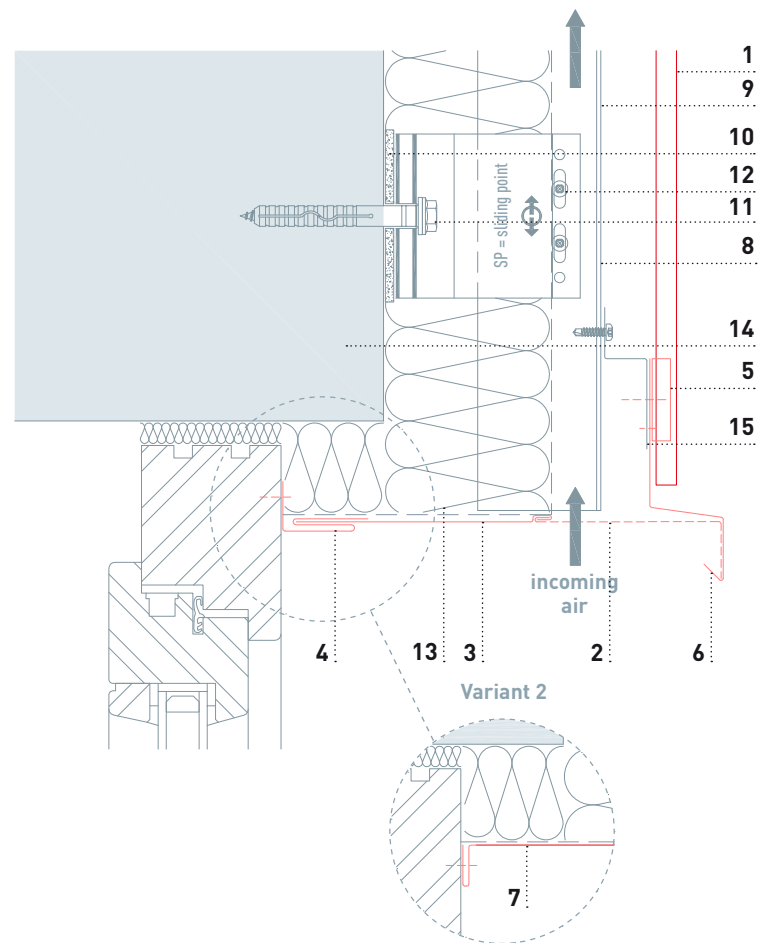
- 1 PREFA extruded profile
- 2 continuous pre-formed supporting flashing strip
- 3 window ledge
- 4 spacer bracket
- 5 support profile
- 6 thermal break
- 7 fastener driven into the supporting structure
- 8 connection screw
- 9 insulation
- 10 supporting structure
- 11 perforated metal plate (canted)
- 12 PREFA sliding clip
- 13 Z profile



* National standards and guidelines must be taken into account

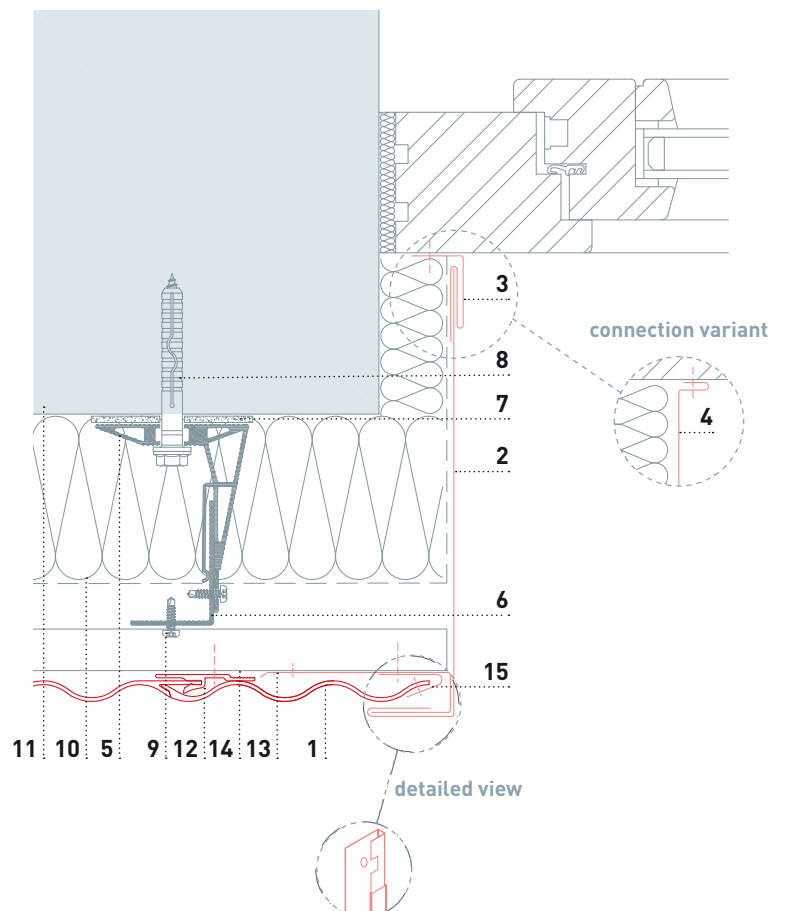
WINDOW LINTEL

- 1 PREFA extruded profile
- 2 perforated metal plate (canted)
- 3 cover flashing
- 4 PREFA hemmed flashing
- 5 PREFA sliding clip
- 6 drip
- 7 connection variant
- 8 spacer bracket
- 9 support profile
- 10 thermal break
- 11 fastener driven into the supporting structure
- 12 connection screw
- 13 insulation
- 14 supporting structure
- 15 Z profile



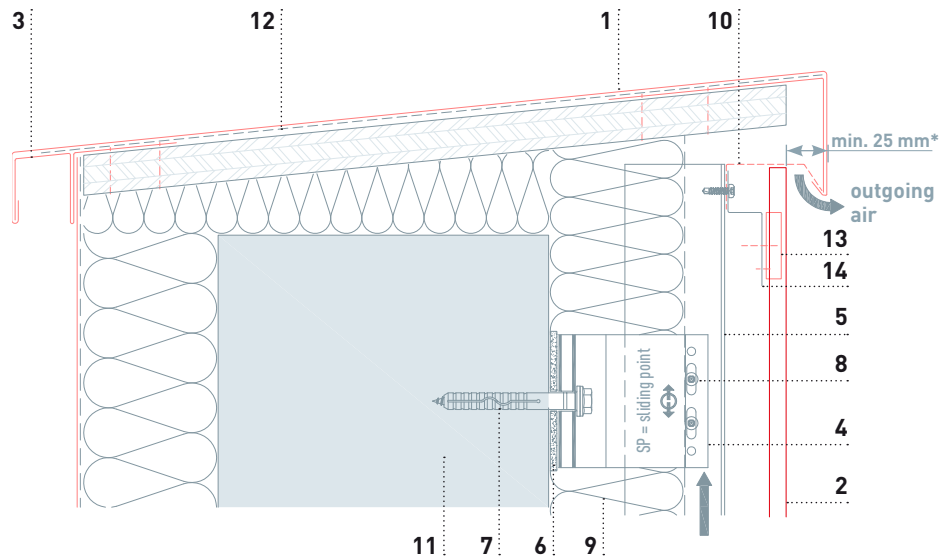
WINDOW REVEAL

- 1 PREFA ripple profile 10/47/2.0 mm
- 2 reveal flashing
- 3 PREFA hemmed flashing
- 4 connection variant
- 5 spacer bracket
- 6 support profile
- 7 thermal break
- 8 fastener driven into the supporting structure
- 9 connection screw
- 10 insulation
- 11 supporting structure
- 12 PREFA sliding clip for ripple profile
- 13 channel flashing
- 14 Z profile
- 15 double-lock clip



TOP CONNECTION

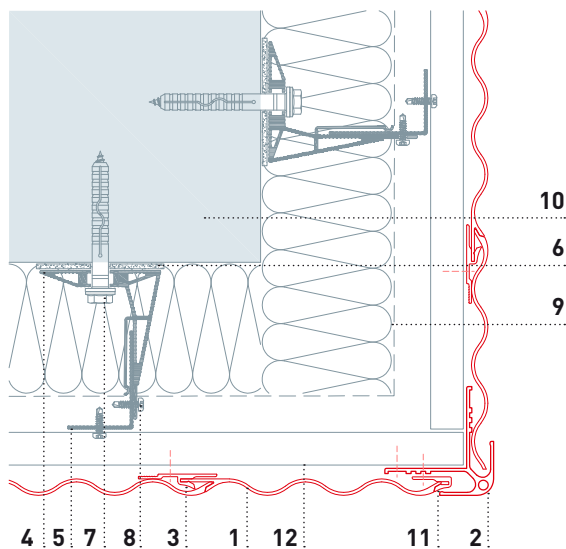
- 1 roof parapet
- 2 PREFA extruded profile
- 3 cleat strip
- 4 spacer bracket
- 5 support profile
- 6 thermal break
- 7 fastener driven into the supporting structure
- 8 connection screw
- 9 insulation
- 10 perforated metal plate (canted)
- 11 supporting structure
- 12 separating layer
- 13 PREFA sliding clip
- 14 Z profile



* National standards and guidelines must be taken into account

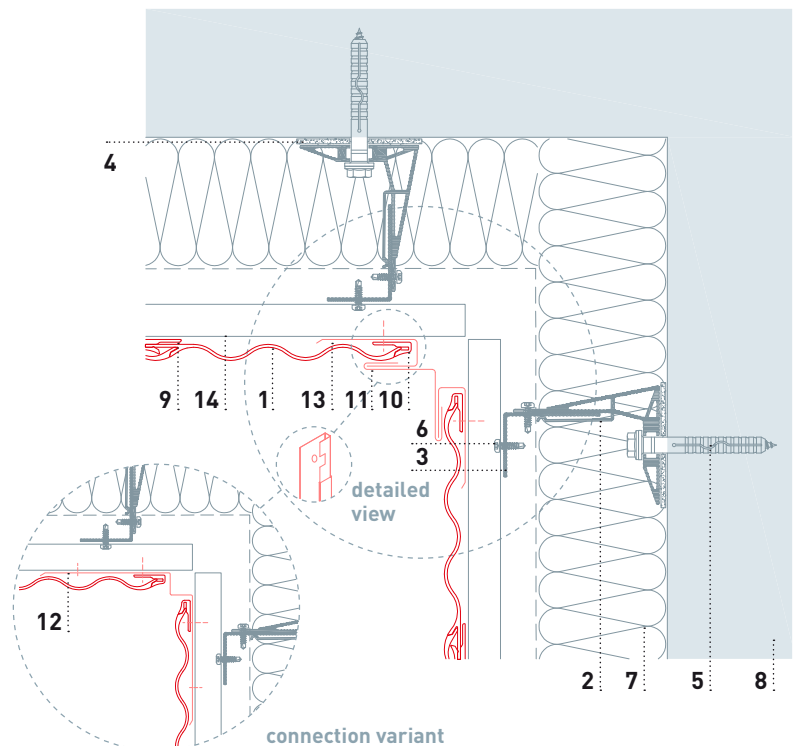
PROTRUDING CORNER

- 1 PREFA ripple profile 10/47/2.0 mm
- 2 PREFA protruding corner for ripple profile
- 3 PREFA sliding clip for ripple profile
- 4 spacer bracket
- 5 support profile
- 6 thermal break
- 7 fastener driven into the supporting structure
- 8 connection screw
- 9 insulation
- 10 supporting structure
- 11 PREFA starter profile
- 12 Z profile



RECESSED CORNER

- 1 PREFA ripple profile 10/47/2.0 mm
- 2 spacer bracket
- 3 support profile
- 4 thermal break
- 5 fastener driven into the supporting structure
- 6 connection screw
- 7 insulation
- 8 supporting structure
- 9 PREFA sliding clip for ripple profile
- 10 PREFA starter profile for ripple profile
- 11 recessed corner (canted) — version 1
- 12 recessed corner (canted) — version 2
- 13 channel flashing
- 14 Z profile





APPLICATION PREFA RHOMBOID FAÇADE TILE 20 × 20

PREFA RHOMBOID FAÇADE TILE 20 × 20

Material: coated aluminium, 0.7 mm thick,
two-layer stove-enamel finish or powder coating

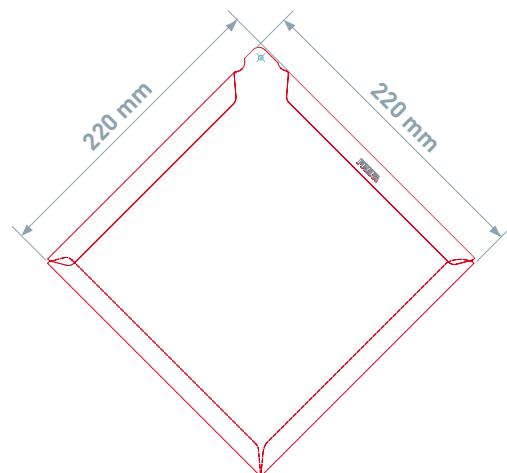
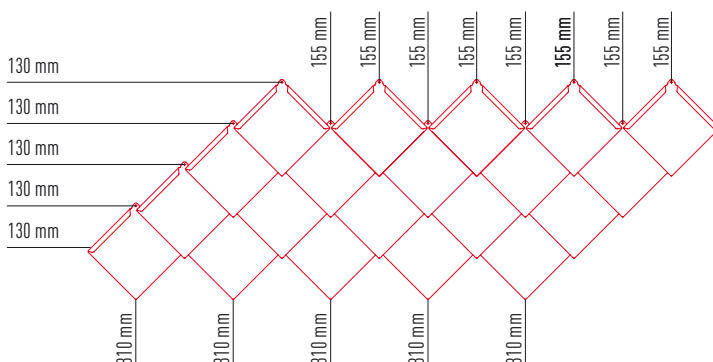
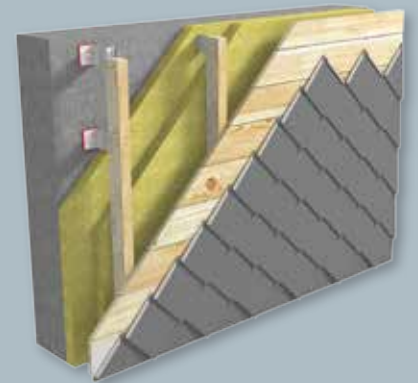
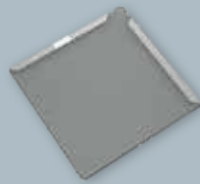
Fastening: direct using 1 PREFA ring nail 28/25,
nailed, screwed down

Size: 200 × 200 × 0.7 mm (cover)

Weight: 2.8 kg/m²

Requirement: approx. 25 per m²

Installation: on solid sheathing (at least 24 mm thick)



APPLICATION PREFA RHOMBOID FAÇADE TILE 29 × 29

PREFA RHOMBOID FAÇADE TILE 29 × 29

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

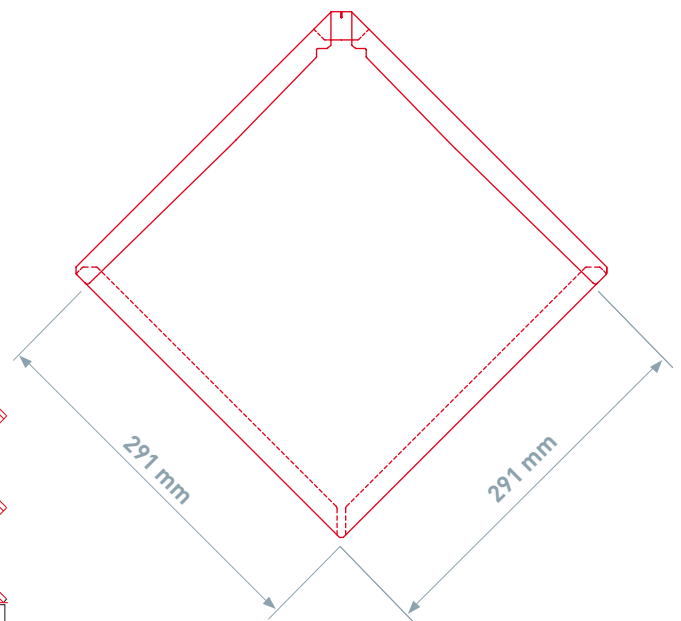
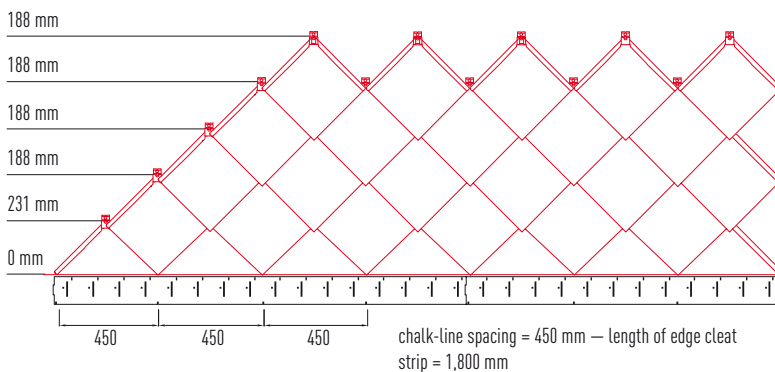
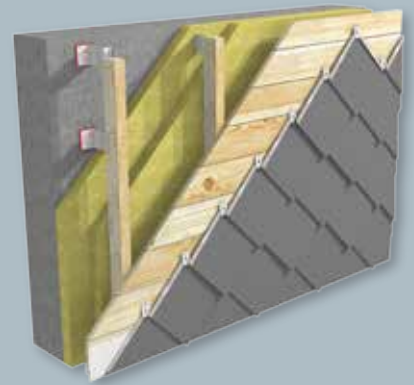
Fastening: 1 clip per rhomboid roof tile = 12 clips per m²

Size: 290 × 290 mm (cover)

Weight: approx. 2.6 kg/m²

Requirement: approx. 12 per m²

Installation: on solid sheathing (at least 24 mm thick)





APPLICATION PREFA RHOMBOID FAÇADE TILE 44 × 44

PREFA RHOMBOID FAÇADE TILE 44 × 44

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

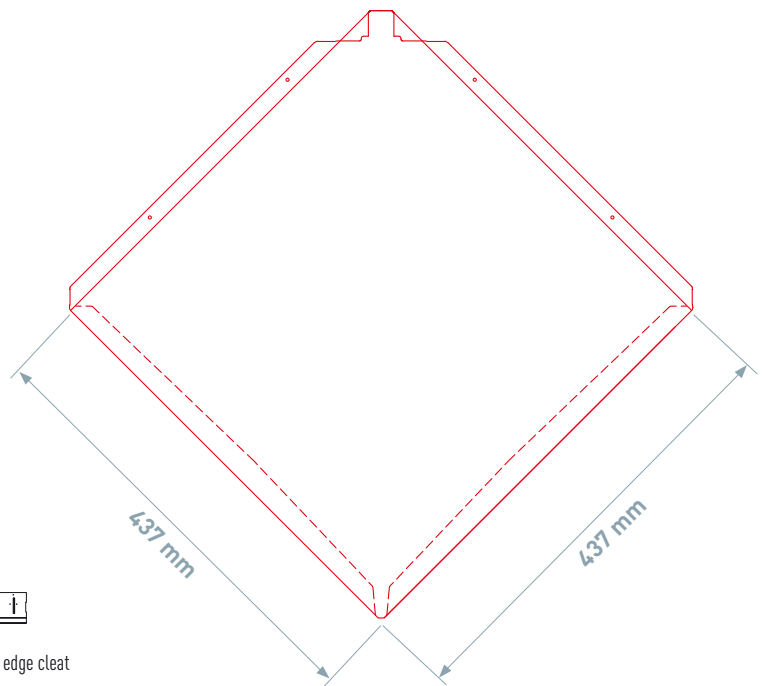
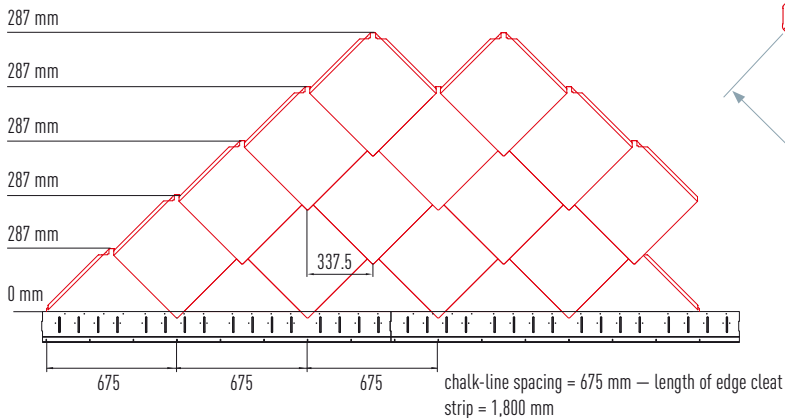
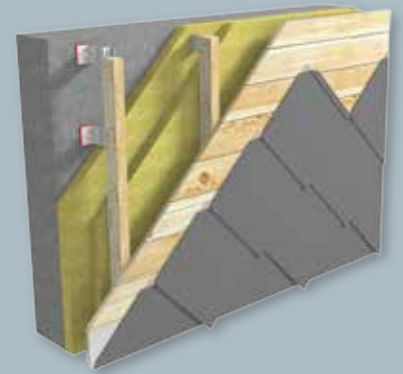
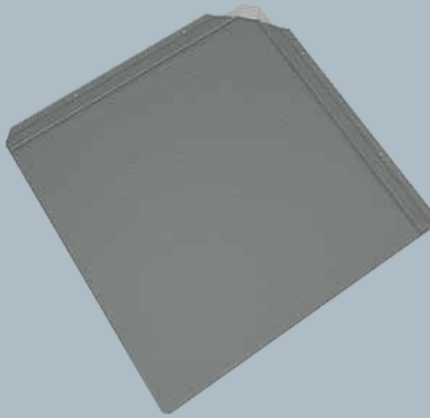
Fastening: direct, using 4 PREFA ring nails 28/25

Size: 437 × 437 mm (cover)

Weight: approx. 2.6 kg/m²

Requirement: approx. 5 per m²

Installation: on solid sheathing (at least 24 mm thick)



APPLICATION PREFA FAÇADE SHINGLE

PREFA FAÇADE SHINGLE

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

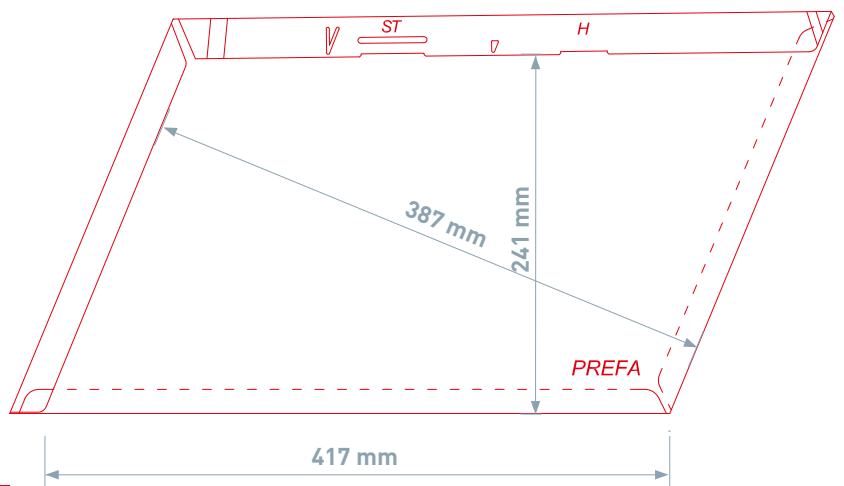
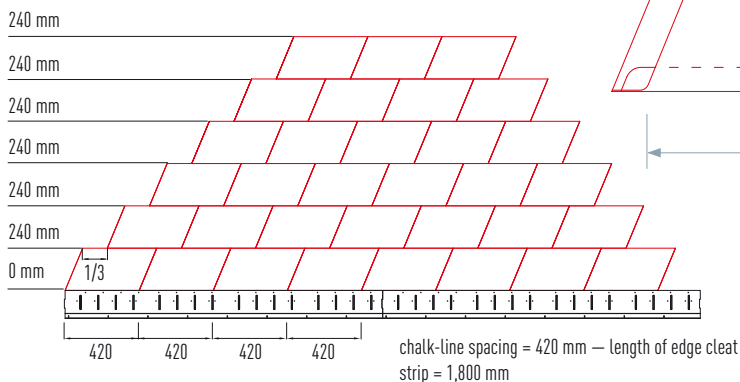
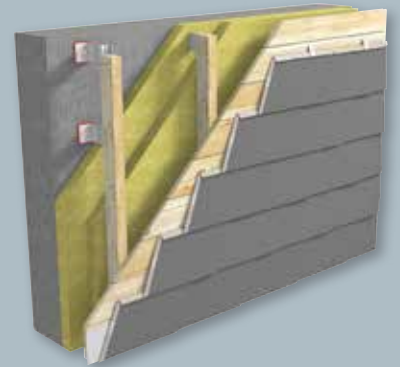
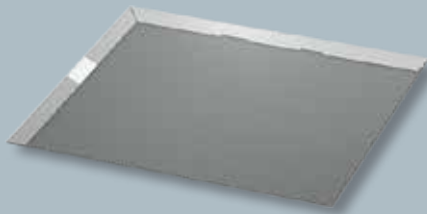
Fastening: 1 aluminium patent clip per shingle = 10 clips per m²

Size: 420 × 240 mm (cover)

Weight: approx. 2.5 kg/m²

Requirement: approx. 10 per m²

Installation: on solid sheathing (at least 24 mm thick)

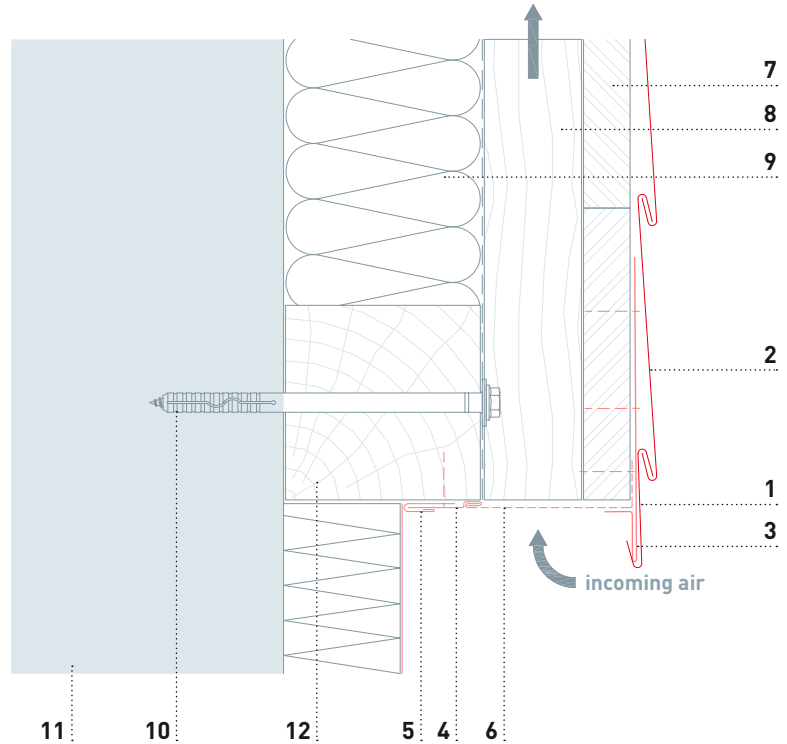




APPLICATION PREFA RHOMBOID FAÇADE TILE

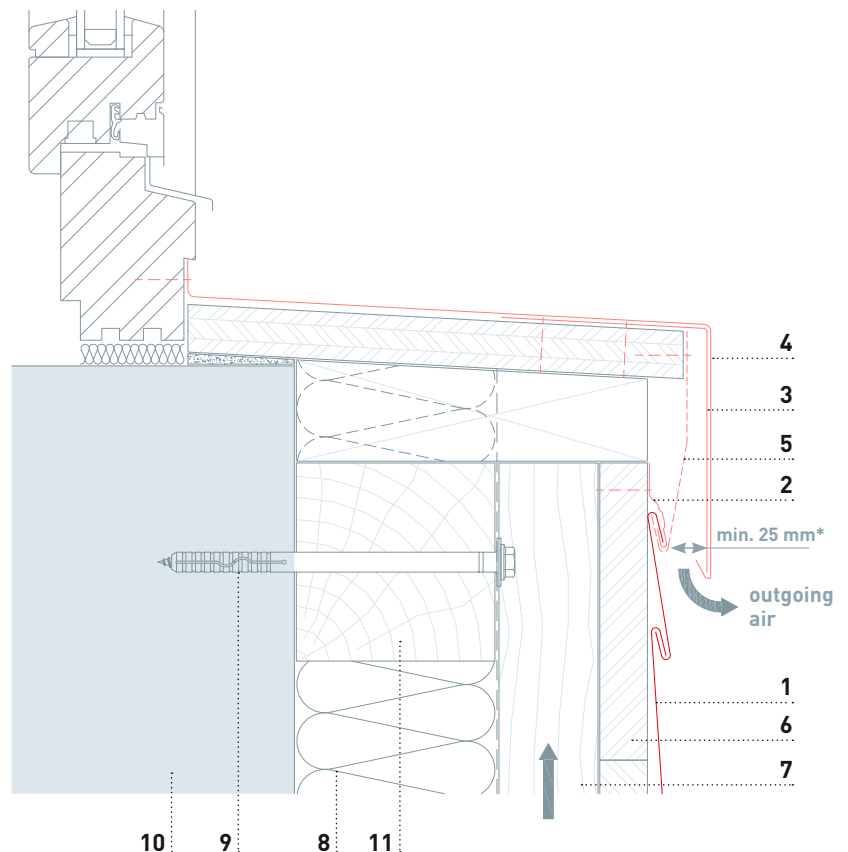
BOTTOM CONNECTION

- 1 PREFA leading plate for rhomboid façade tile
- 2 PREFA rhomboid façade tile
- 3 PREFA edge cleat strip for rhomboid façade tile
- 4 cover flashing
- 5 PREFA hemmed flashing
- 6 perforated metal plate (canted)
- 7 solid sheathing (at least 24 mm)
- 8 counter batten
- 9 insulation
- 10 fastener driven into the supporting structure
- 11 supporting structure
- 12 nogging piece



WINDOW LEDGE

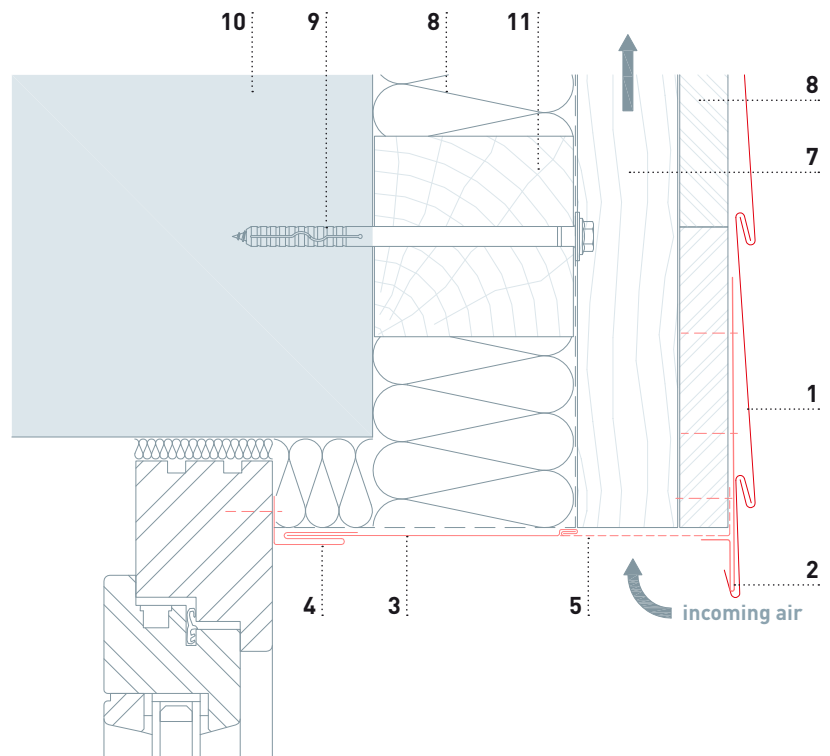
- 1 PREFA rhomboid façade tile
- 2 PREFA rhomboid façade tile clip
- 3 continuous pre-formed supporting flashing strip
- 4 window ledge
- 5 perforated metal plate (canted)
- 6 solid sheathing (at least 24 mm)
- 7 counter batten
- 8 insulation
- 9 fastener driven into the supporting structure
- 10 supporting structure
- 11 nogging piece



* National standards and guidelines must be taken into account

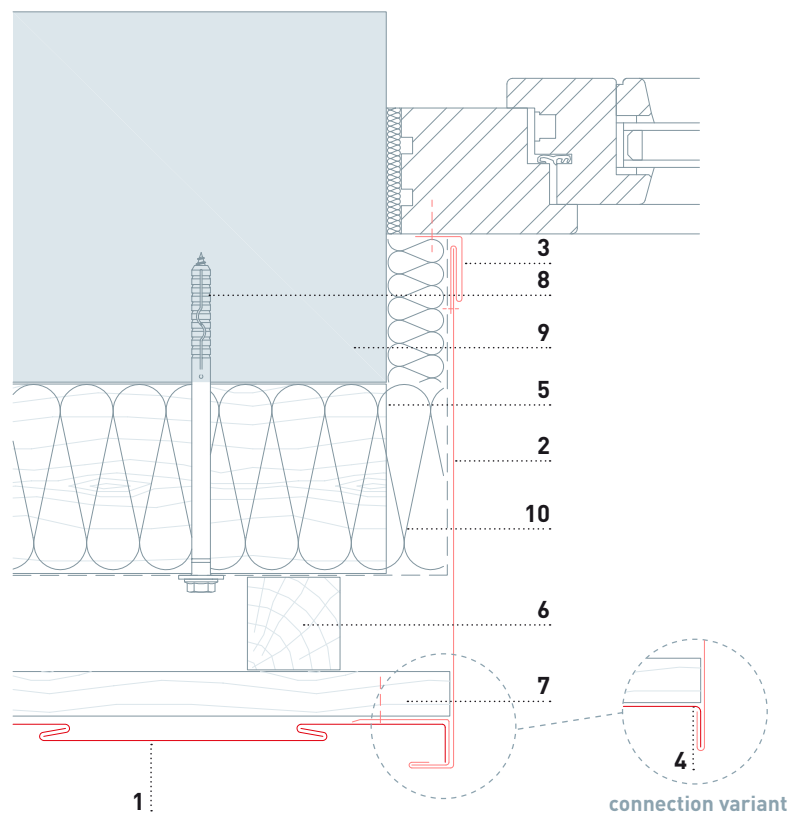
WINDOW LINTEL

- 1 PREFA rhomboid façade tile
- 2 PREFA edge cleat strip for rhomboid façade tile
- 3 cover flashing
- 4 PREFA hemmed flashing
- 5 perforated metal plate (canted)
- 6 solid sheathing (at least 24 mm)
- 7 counter batten
- 8 insulation
- 9 fastener driven into the supporting structure
- 10 supporting structure
- 11 nogging piece



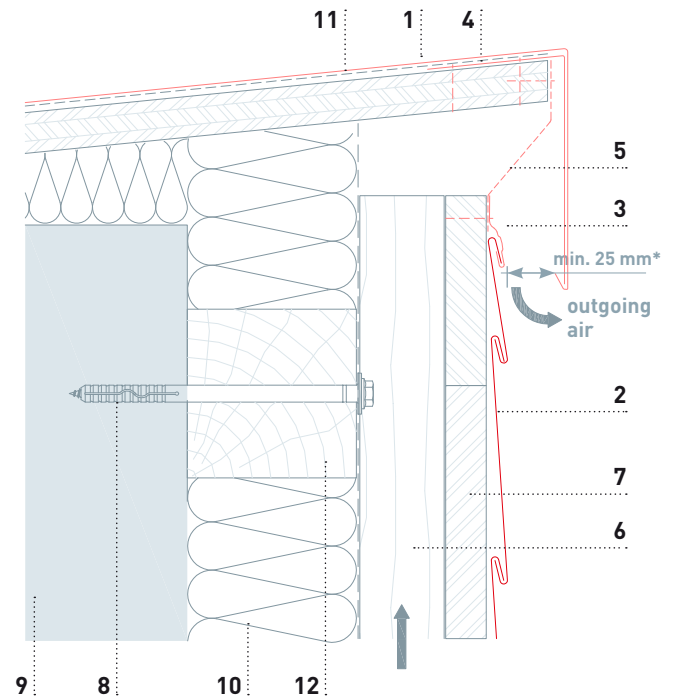
WINDOW REVEAL

- 1 PREFA rhomboid façade tile
- 2 reveal flashing
- 3 PREFA hemmed flashing
- 4 connection variant
- 5 nogging piece
- 6 counter batten
- 7 solid sheathing (at least 24 mm)
- 8 fastener driven into the supporting structure
- 9 supporting structure
- 10 insulation



ROOF PARAPET DETAIL

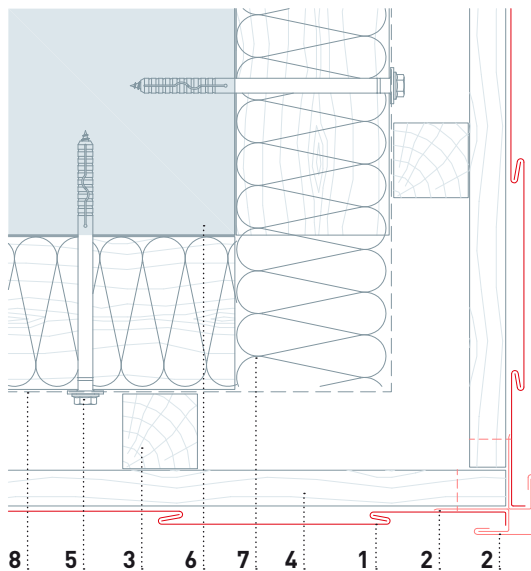
- 1 roof parapet
- 2 PREFA rhomboid façade tile
- 3 PREFA rhomboid façade tile clip
- 4 cleat strip
- 5 perforated metal plate (canted)
- 6 counter batten
- 7 solid sheathing (at least 24 mm)
- 8 fastener driven into the supporting structure
- 9 supporting structure
- 10 insulation
- 11 separating layer
- 12 nogging piece



* National standards and guidelines must be taken into account

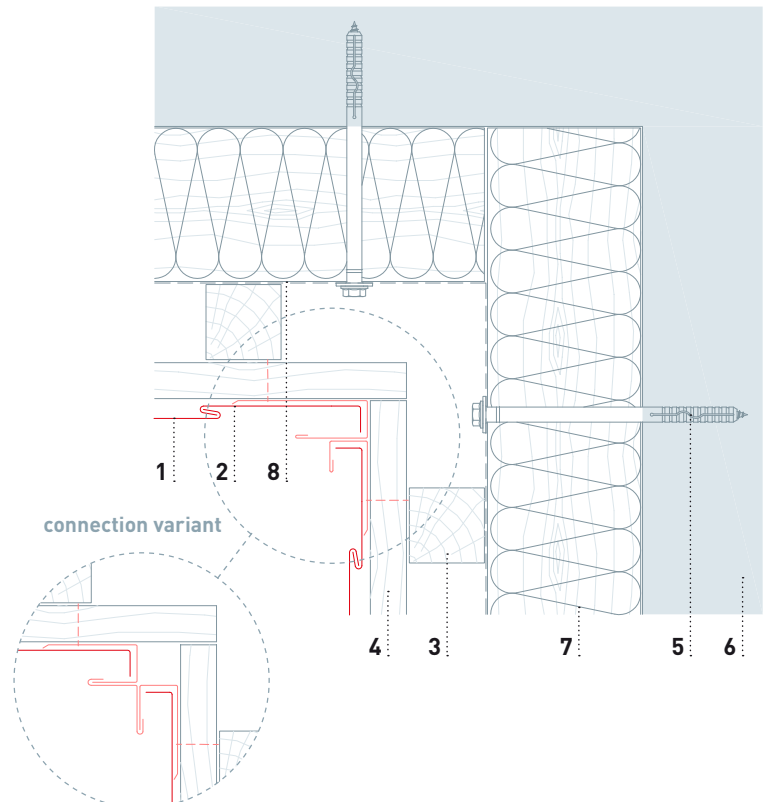
PROTRUDING CORNER

- 1 PREFA rhomboid façade tile
- 2 protruding corner (canted; several elements)
- 3 counter batten
- 4 solid sheathing (at least 24 mm)
- 5 fastener driven into the supporting structure
- 6 supporting structure
- 7 insulation
- 8 nogging piece



RECESSED CORNER

- 1 PREFA rhomboid façade tile
- 2 recessed corner (canted; several elements)
- 3 counter batten
- 4 solid sheathing (at least 24 mm)
- 5 fastener driven into the supporting structure
- 6 supporting structure
- 7 insulation
- 8 nogging piece



APPLICATION

PREFA FX.12 FAÇADE PANEL

PREFA FX.12 FAÇADE PANEL

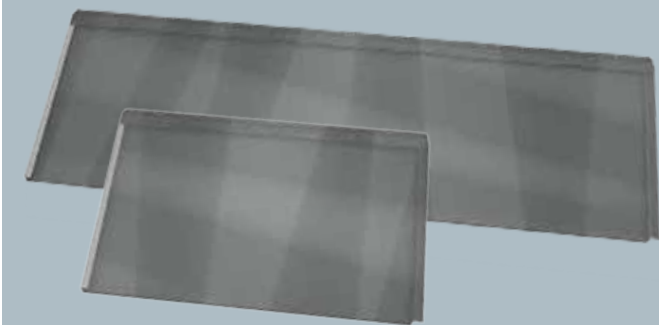
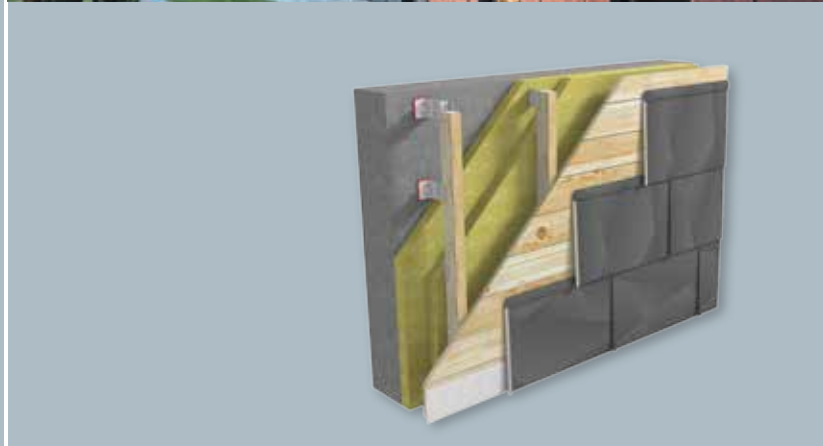
Material: coated aluminium, 0.7 mm thick, two-layer stove-enamel finish

Size: 700 × 420 mm (3.4 per m²) and 1,400 × 420 mm (1.7 per m²) — cover

Weight: 1 m² = approx. 2.3 kg

Installation: on solid sheathing (at least 24 mm thick) or skip sheathing (at least 24 mm thick)

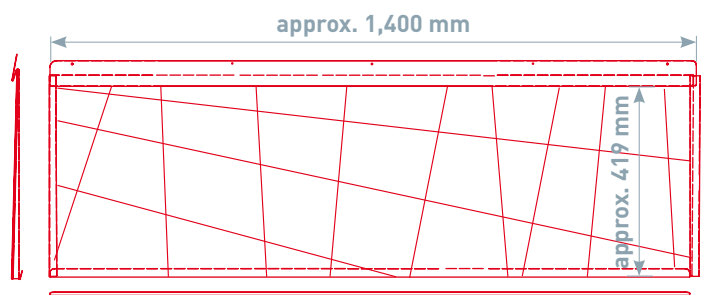
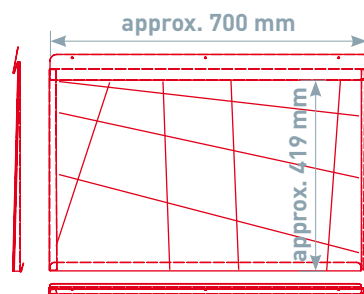
Fastening: screwed down or nailed



Note: ratio large to small = 2:1 panels

To obtain an individual appearance over the whole surface area, vertical seams should not lie above one another (recommended minimum joint offset: 220 mm).

Installation examples are available as a guide and can be downloaded (in PDF or DWG format) from www.prefa.com.

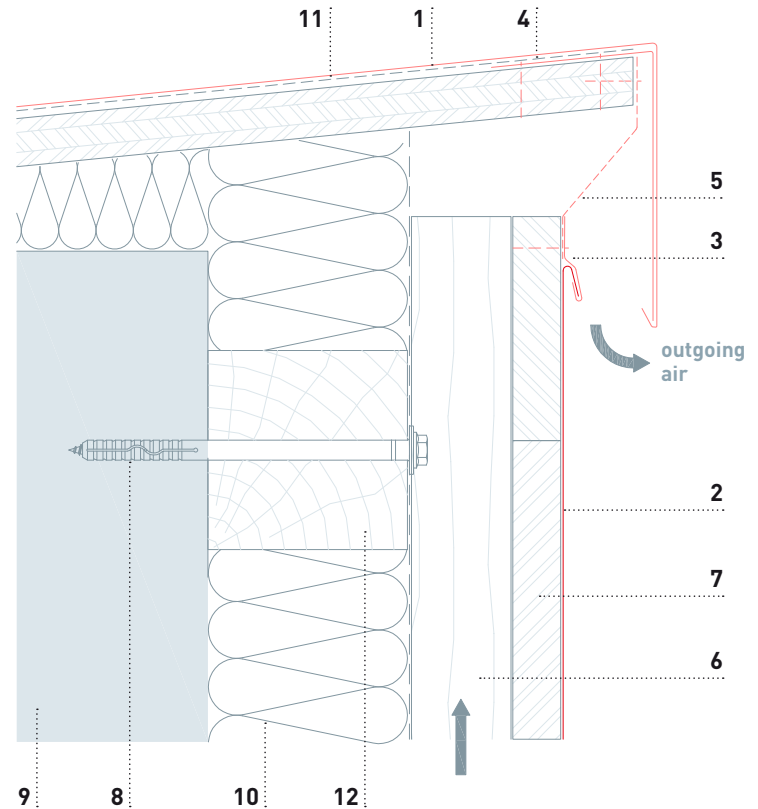


APPLICATION

PREFA FX.12 FAÇADE PANEL

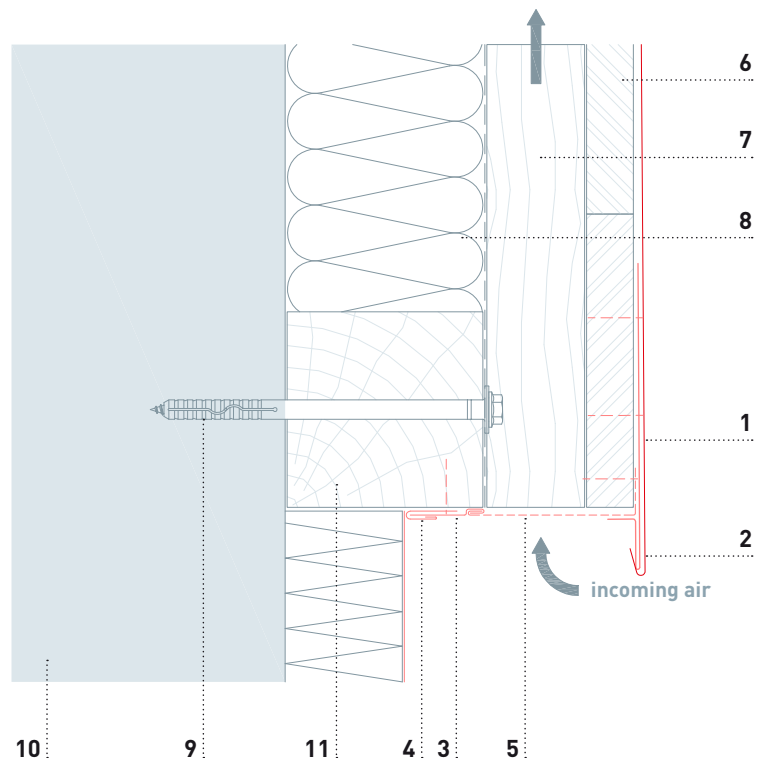
ROOF PARAPET DETAIL

- 1 roof parapet
- 2 PREFA FX.12 façade panel
- 3 clip
- 4 cleat strip
- 5 perforated metal plate (canted)
- 6 counter batten
- 7 solid sheathing (at least 24 mm)
- 8 fastener driven into the supporting structure
- 9 supporting structure
- 10 insulation
- 11 separating layer
- 12 nogging piece



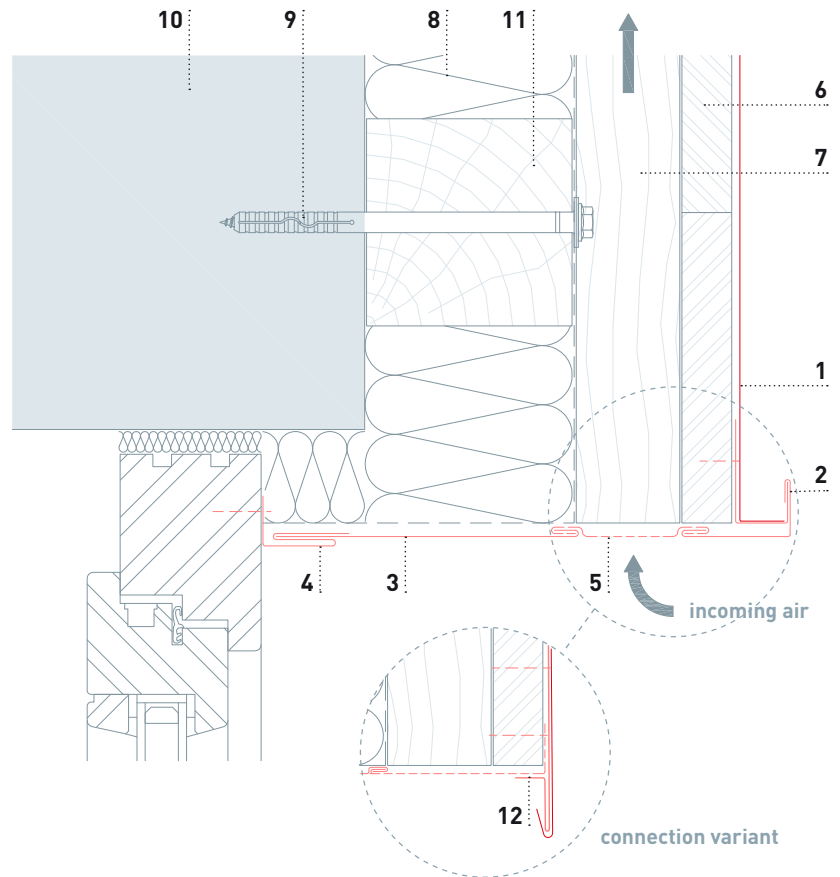
BOTTOM CONNECTION

- 1 PREFA FX.12 façade panel
- 2 PREFA edge cleat strip for FX.12
- 3 cover flashing
- 4 hemmed flashing
- 5 perforated metal plate (canted)
- 6 solid sheathing (at least 24 mm)
- 7 counter batten
- 8 insulation
- 9 fastener driven into the supporting structure
- 10 supporting structure
- 11 nogging piece



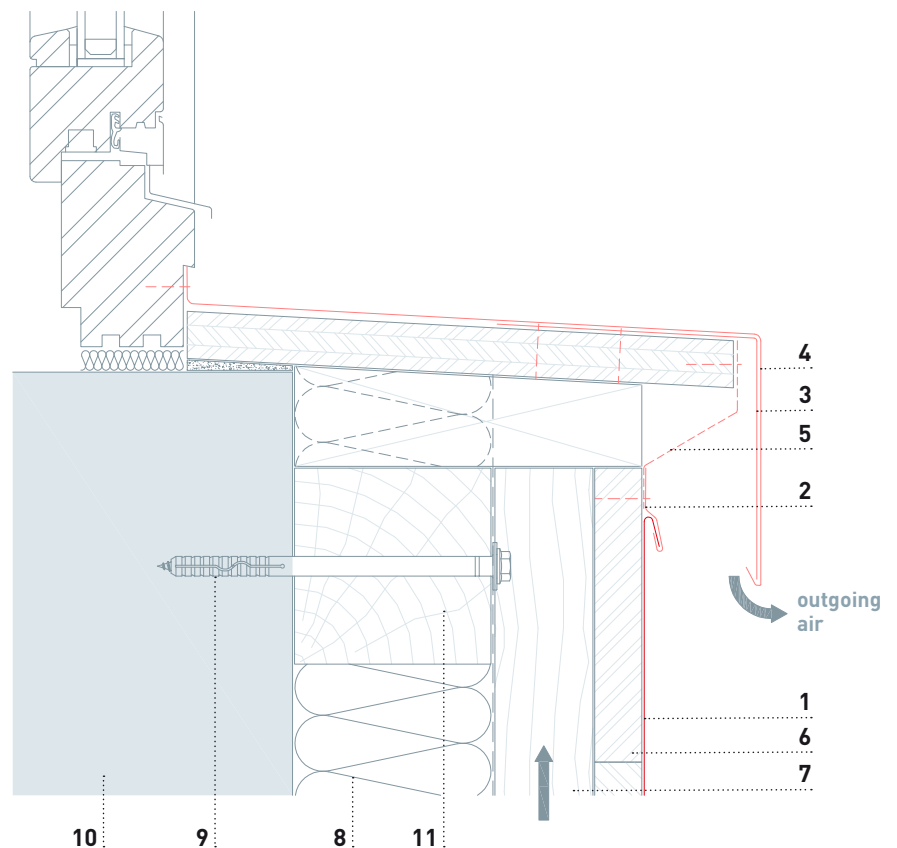
WINDOW LINTEL

- 1 PREFA FX.12 façade panel
- 2 PREFA edge cleat strip for FX.12
- 3 cover flashing
- 4 PREFA hemmed flashing
- 5 perforated metal plate (canted)
- 6 solid sheathing (at least 24 mm)
- 7 counter batten
- 8 insulation
- 9 fastener driven into the supporting structure
- 10 supporting structure
- 11 nogging piece
- 12 channel flashing



WINDOW LEDGE

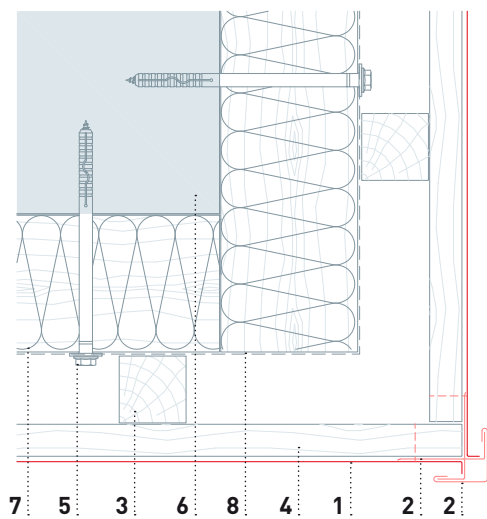
- 1 PREFA FX.12 façade panel
- 2 clip
- 3 continuous pre-formed supporting flashing strip
- 4 window ledge
- 5 perforated metal plate (canted)
- 6 solid sheathing (at least 24 mm)
- 7 counter batten
- 8 insulation
- 9 fastener driven into the supporting structure
- 10 supporting structure
- 11 nogging piece



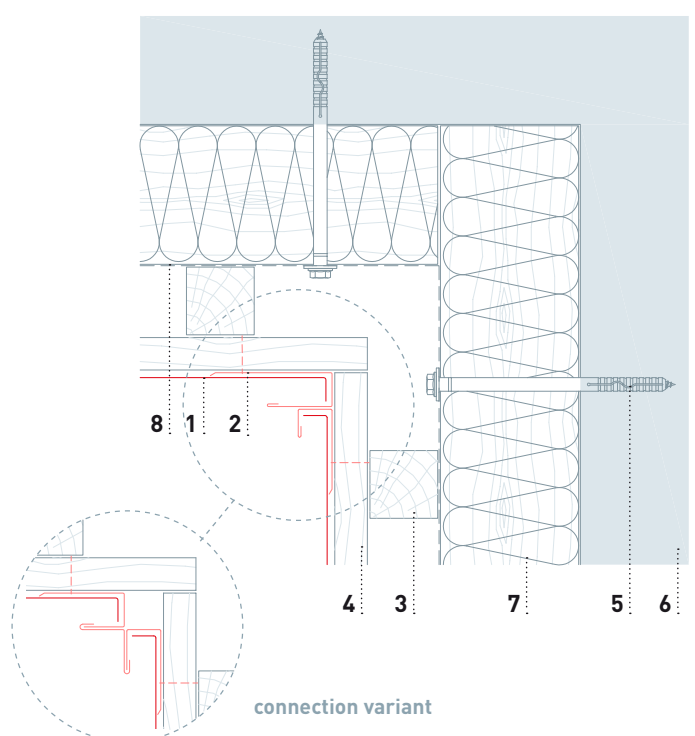


-

- 1 PREFAB FX.12 façade panel
- 2 protruding corner (canted; several elements)
- 3 counter batten
- 4 solid sheathing (at least 24 mm)
- 5 fastener driven into the supporting structure
- 6 supporting structure
- 7 insulation
- 8 nogging piece



- 1 PREFAB FX.12 façade panel
- 2 channel flashing
- 3 counter batten
- 4 solid sheathing (at least 24 mm)
- 5 fastener driven into the supporting structure
- 6 supporting structure
- 7 insulation
- 8 nogging piece



APPLICATION PREFA SINGLE LOCK STANDING SEAM

PREFA PREFALZ

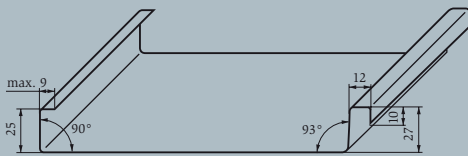
Dimensions: 0.70×500 mm (centre-to-centre seam distance: 430 mm), $0.70 \times 1,000$ mm (flashing strip)

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

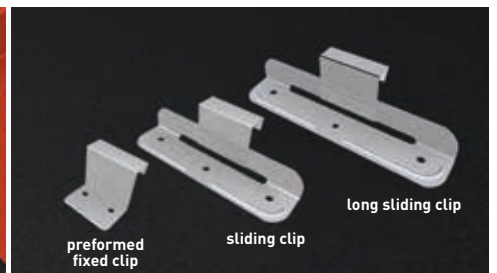
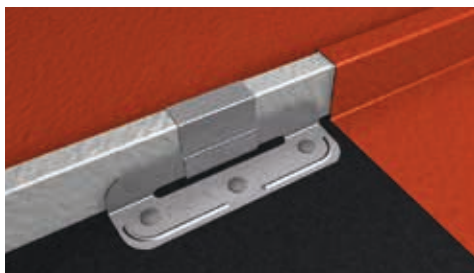
Standard dimensions (for a strip width of 500 mm):

60 kg (inside diameter = 320 mm) — approx. 63 m

500 kg (inside diameter = 500 mm) — approx. 529 m



prefalz®



preformed
fixed clip

sliding clip

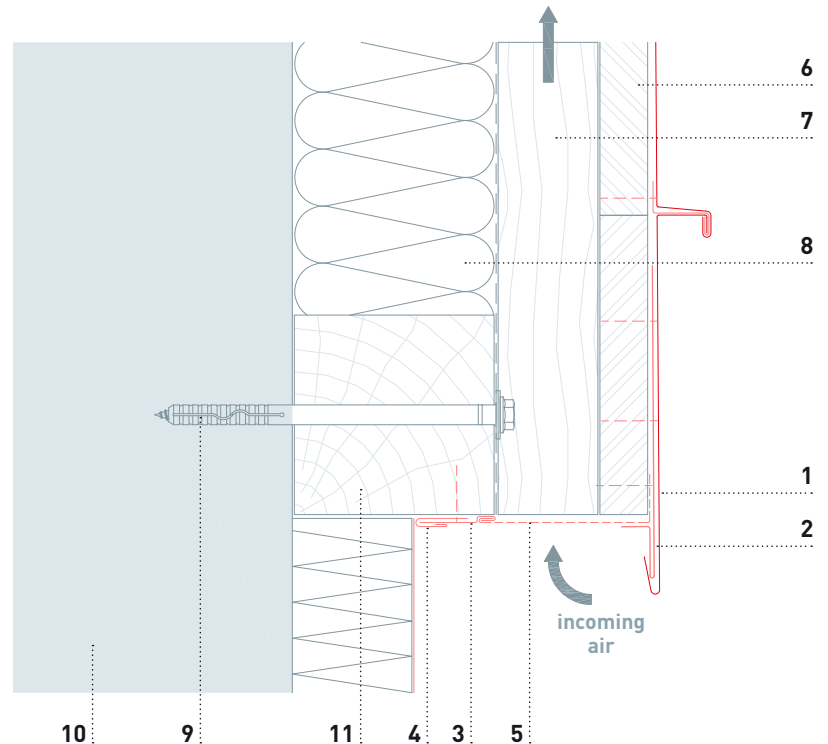
long sliding clip

APPLICATION SINGLE LOCK STANDING SEAM

HORIZONTAL

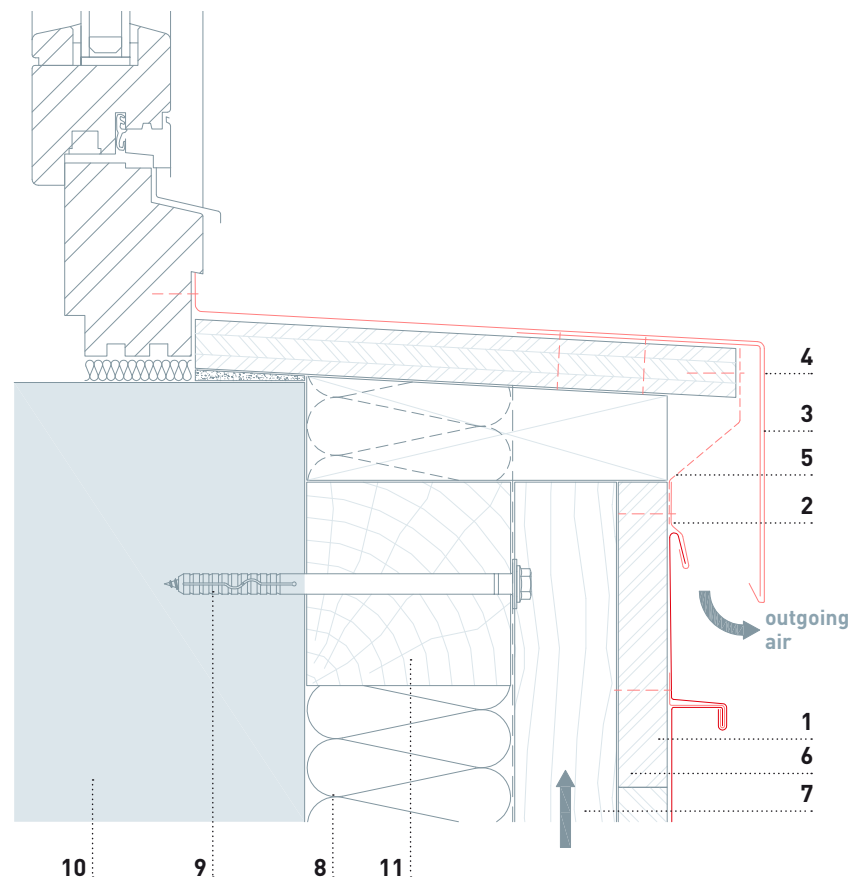
BOTTOM CONNECTION

- 1 Prefalz single lock standing seam
- 2 edge cleat strip
- 3 cover flashing
- 4 PREFA hemmed flashing
- 5 perforated metal plate (canted)
- 6 solid sheathing (at least 24 mm)
- 7 counter batten
- 8 insulation
- 9 fastener driven into the supporting structure
- 10 supporting structure
- 11 nogging piece



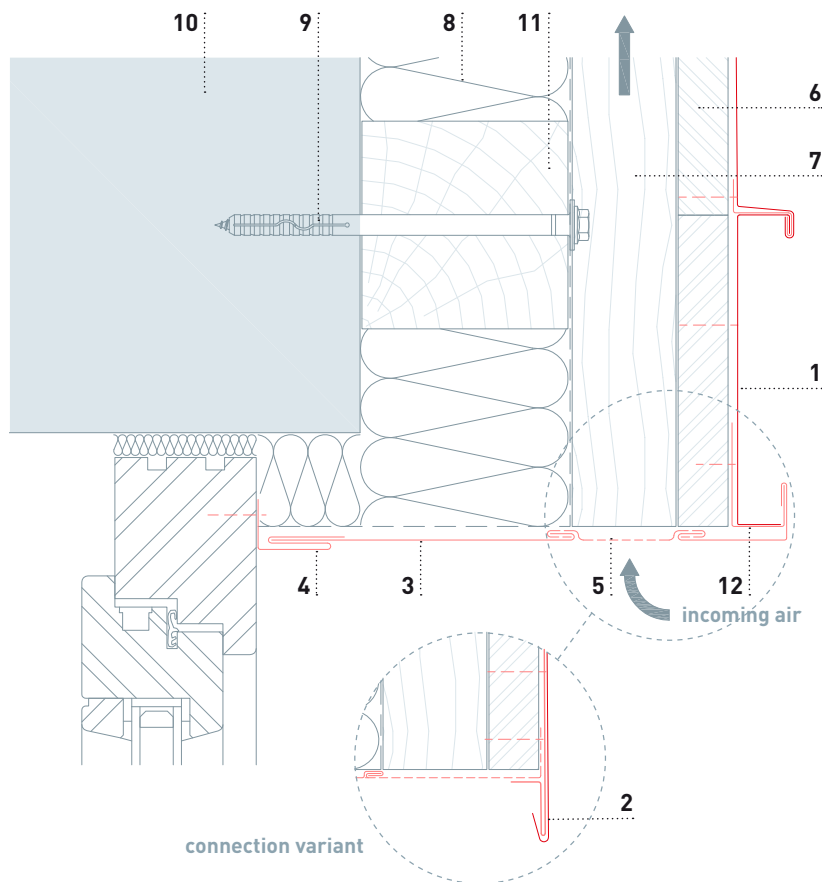
WINDOW LEDGE

- 1 Prefalz single lock standing seam
- 2 clip
- 3 continuous pre-formed supporting flashing strip
- 4 window ledge
- 5 perforated metal plate (canted)
- 6 solid sheathing (at least 24 mm)
- 7 counter batten
- 8 insulation
- 9 fastener driven into the supporting structure
- 10 supporting structure
- 11 nogging piece



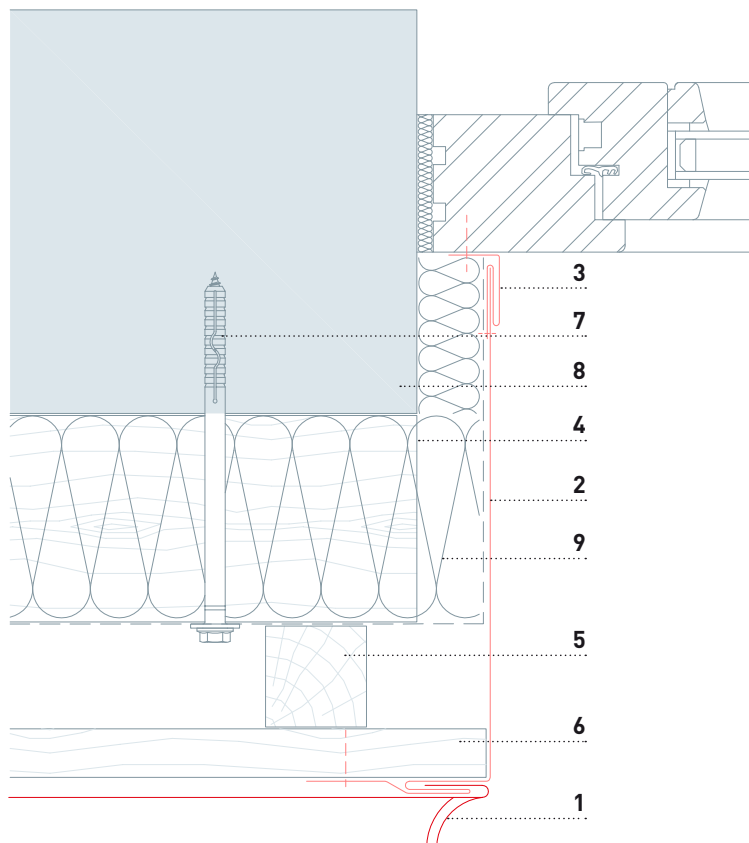
WINDOW LINTEL

- 1 Prefalz single lock standing seam
- 2 edge cleat strip
- 3 cover flashing
- 4 PREFA hemmed flashing
- 5 perforated metal plate (canted)
- 6 solid sheathing (at least 24 mm)
- 7 counter batten
- 8 insulation
- 9 fastener driven into the supporting structure
- 10 supporting structure
- 11 nogging piece
- 12 channel flashing



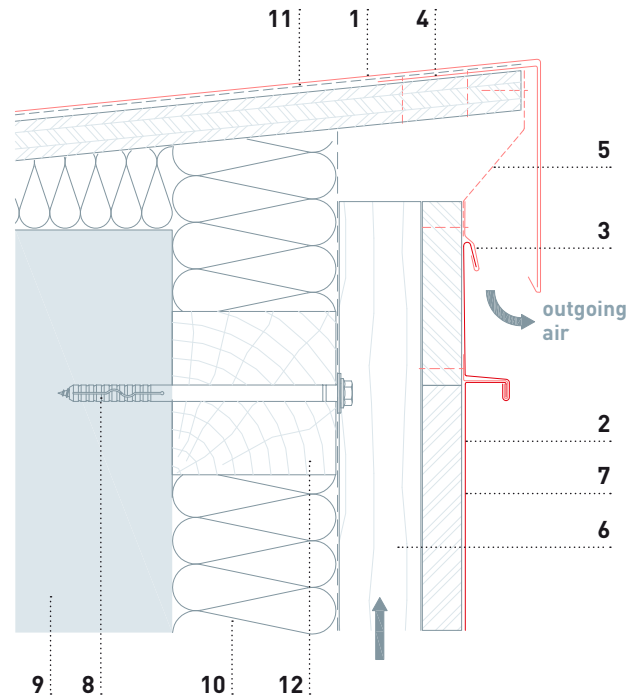
WINDOW REVEAL

- 1 Prefalz single lock standing seam
- 2 reveal flashing
- 3 PREFA hemmed flashing
- 4 nogging piece
- 5 counter batten
- 6 solid sheathing (at least 24 mm)
- 7 fastener driven into the supporting structure
- 8 supporting structure
- 9 insulation



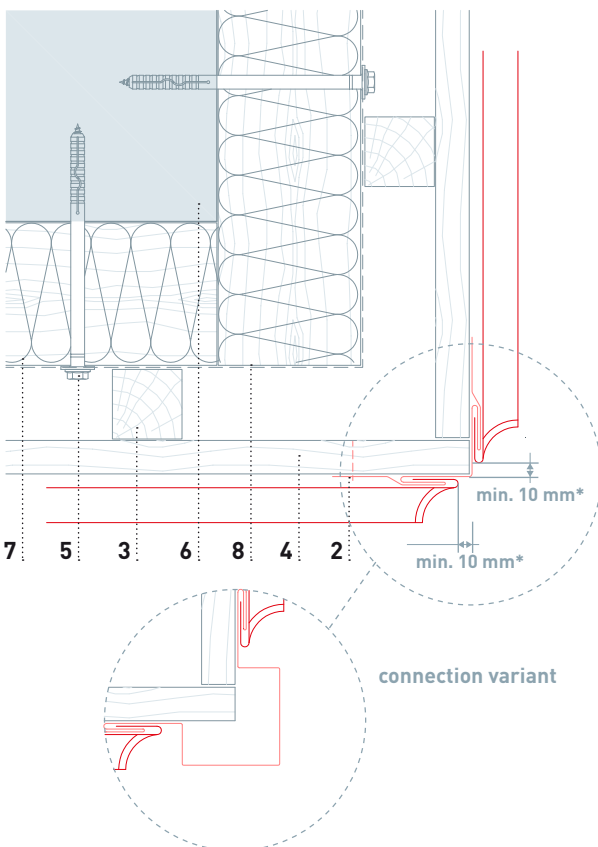
TOP CONNECTION

- 1 roof parapet
- 2 Prefalz single lock standing seam
- 3 clip
- 4 cleat strip
- 5 perforated metal plate (canted)
- 6 counter batten
- 7 solid sheathing (at least 24 mm)
- 8 fastener driven into the supporting structure
- 9 supporting structure
- 10 insulation
- 11 separating layer
- 12 nogging piece



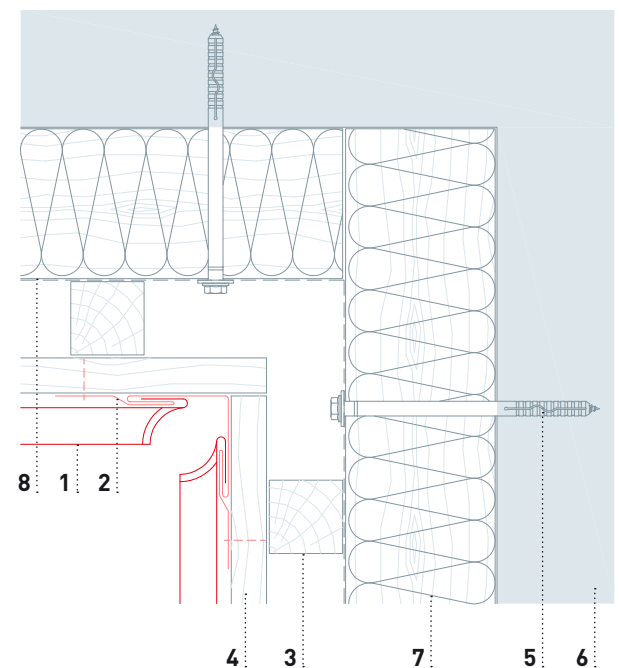
PROTRUDING CORNER

- 1 PREFALZ single lock standing seam
- 2 protruding corner (canted)
- 3 counter batten
- 4 solid sheathing (at least 24 mm)
- 5 fastener driven into the supporting structure
- 6 supporting structure
- 7 insulation
- 8 nogging piece



RECESSED CORNER

- 1 Prefalz single lock standing seam
- 2 recessed corner (canted)
- 3 counter batten
- 4 solid sheathing (at least 24 mm)
- 5 fastener driven into the supporting structure
- 6 supporting structure
- 7 insulation
- 8 nogging piece



* National standards and guidelines must be taken into account

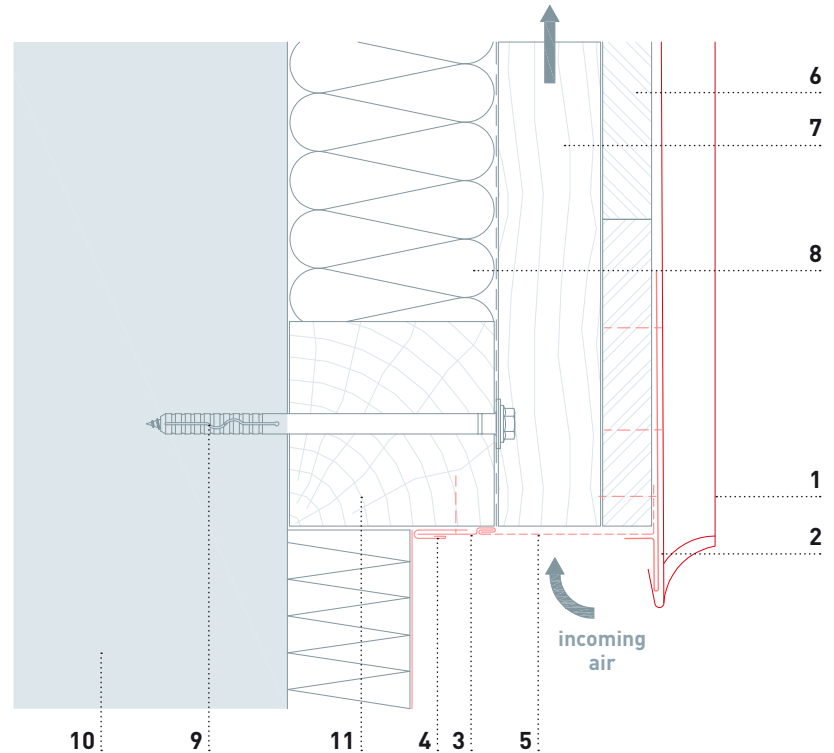
APPLICATION

SINGLE LOCK STANDING SEAM

VERTICAL

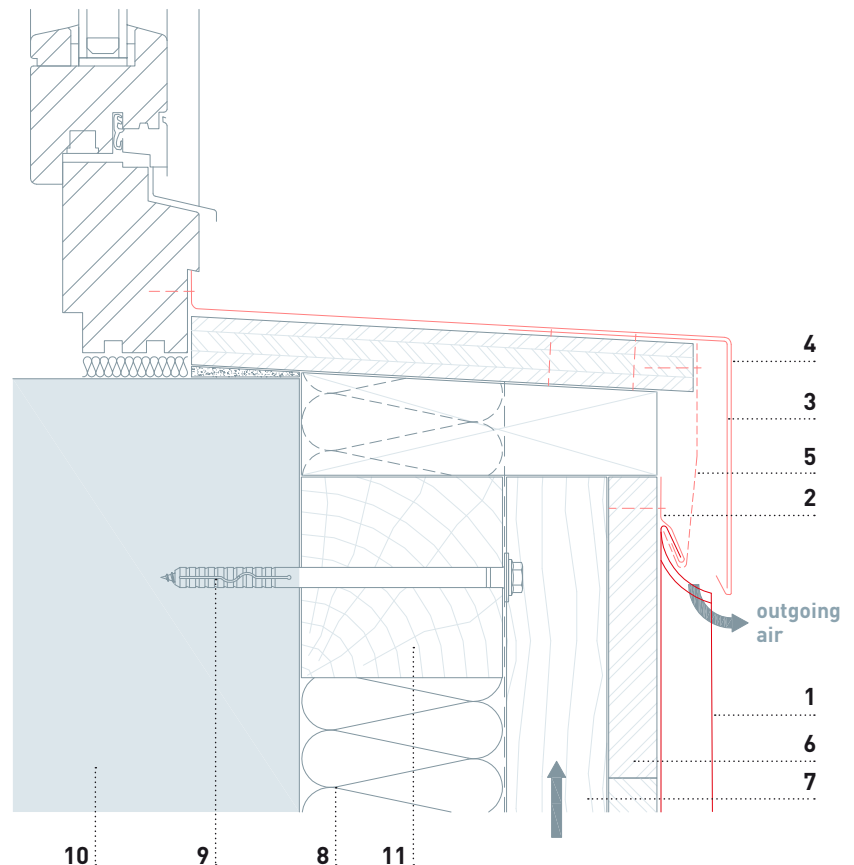
BOTTOM CONNECTION

- 1 Prefalz single lock standing seam
- 2 edge cleat strip
- 3 cover flashing
- 4 PREFA hemmed flashing
- 5 perforated metal plate (canted)
- 6 solid sheathing (at least 24 mm)
- 7 counter batten
- 8 insulation
- 9 fastener driven into the supporting structure
- 10 supporting structure
- 11 nogging piece



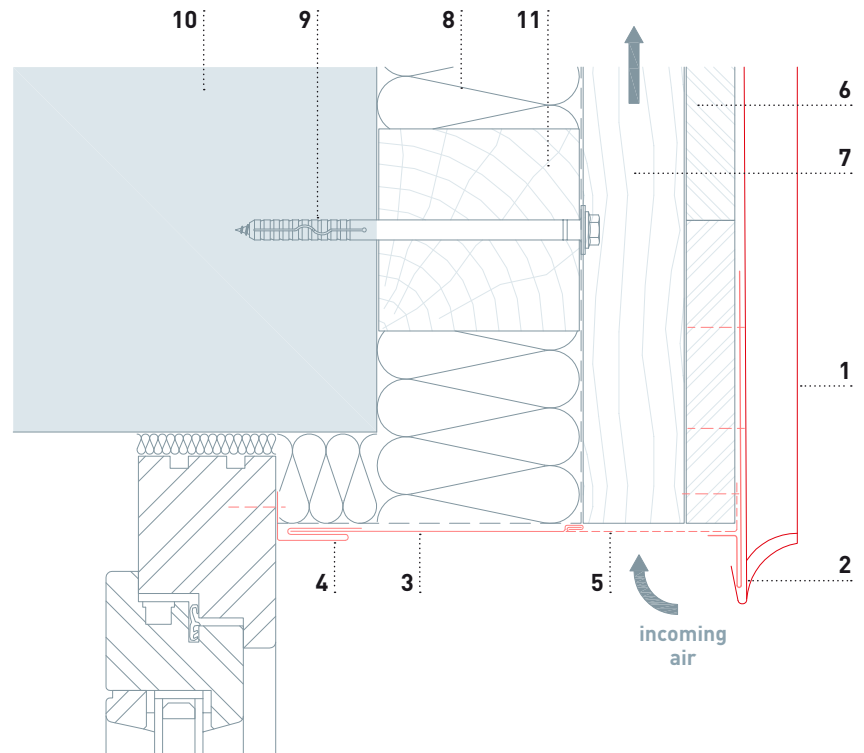
WINDOW LEDGE

- 1 Prefalz single lock standing seam
- 2 clip
- 3 continuous pre-formed supporting flashing strip
- 4 window ledge
- 5 perforated metal plate (canted)
- 6 solid sheathing (at least 24 mm)
- 7 counter batten
- 8 insulation
- 9 fastener driven into the supporting structure
- 10 supporting structure
- 11 nogging piece



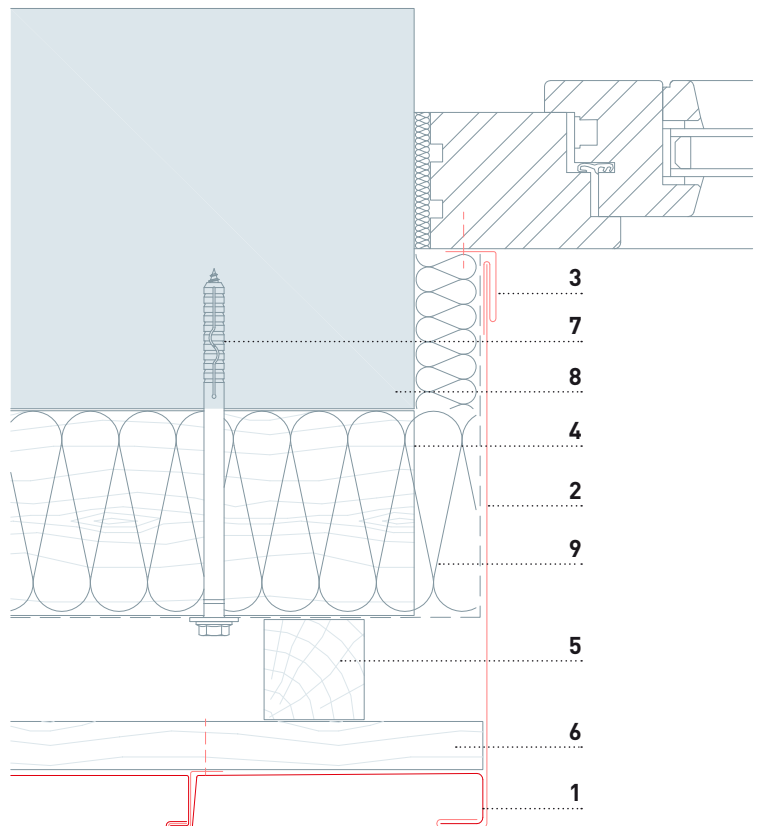
WINDOW LINTEL

- 1 Prefalz single lock standing seam
- 2 edge cleat strip
- 3 cover flashing
- 4 PREFA hemmed flashing
- 5 perforated metal plate (canted)
- 6 solid sheathing (at least 24 mm)
- 7 counter batten
- 8 insulation
- 9 fastener driven into the supporting structure
- 10 supporting structure
- 11 nogging piece



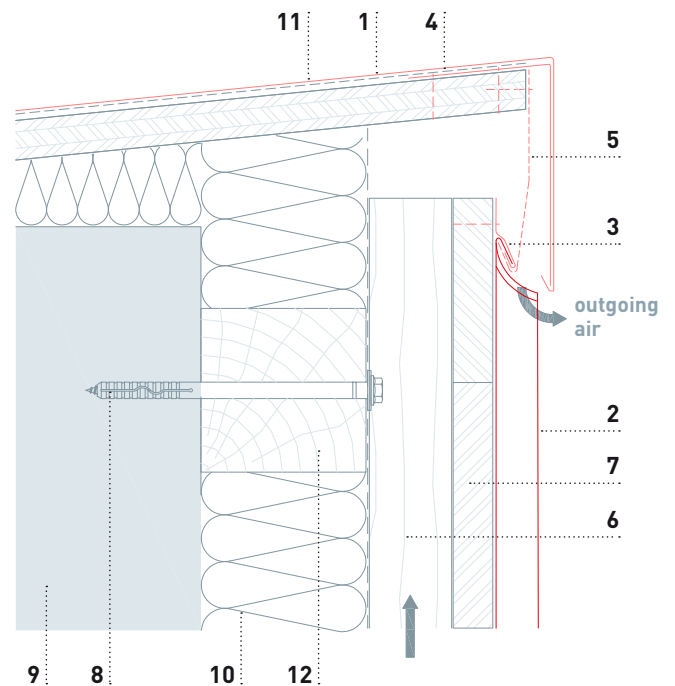
WINDOW REVEAL

- 1 Prefalz single lock standing seam
- 2 reveal flashing
- 3 PREFA hemmed flashing
- 4 nogging piece
- 5 counter batten
- 6 solid sheathing (at least 24 mm)
- 7 fastener driven into the supporting structure
- 8 supporting structure
- 9 insulation



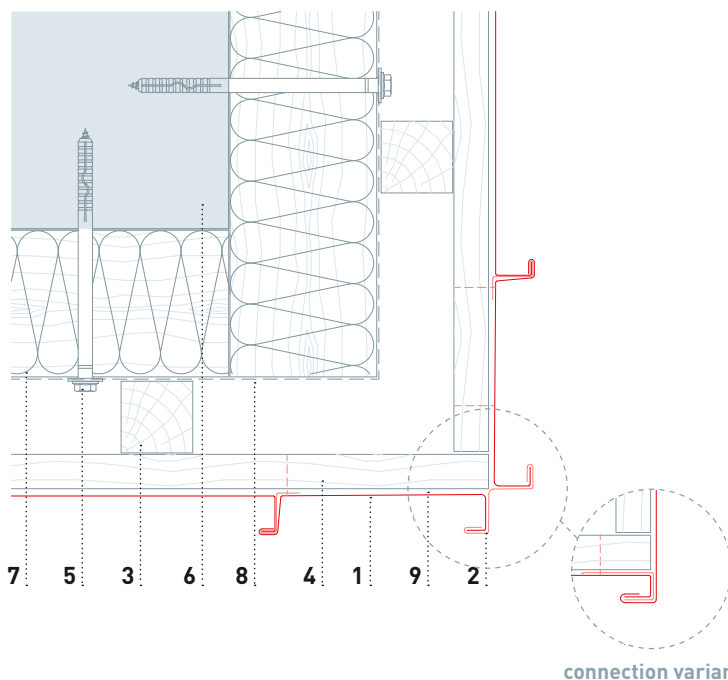
TOP CONNECTION

- 1 roof parapet
- 2 Prefalz single lock standing seam
- 3 clip
- 4 cleat strip
- 5 perforated metal plate (canted)
- 6 counter batten
- 7 solid sheathing (at least 24 mm)
- 8 fastener driven into the supporting structure
- 9 supporting structure
- 10 insulation
- 11 separating layer
- 12 nogging piece



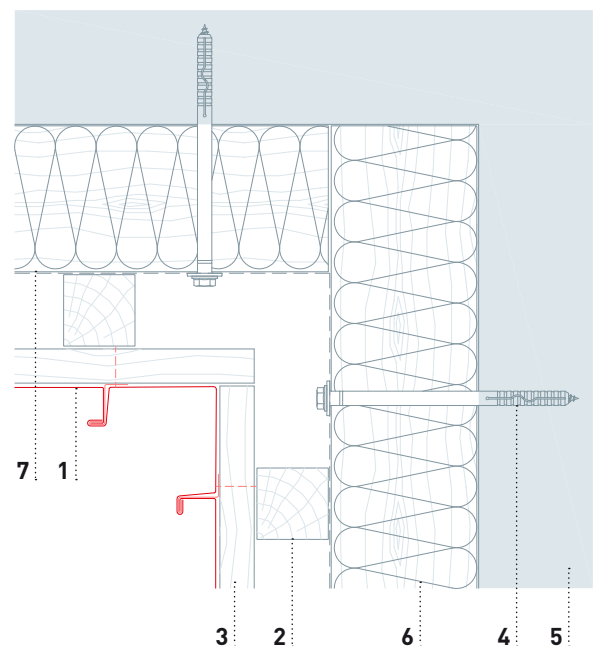
PROTRUDING CORNER

- 1 Prefalz single lock standing seam
- 2 protruding corner (canted)
- 3 counter batten
- 4 solid sheathing (at least 24 mm)
- 5 fastener driven into the supporting structure
- 6 supporting structure
- 7 insulation
- 8 nogging piece
- 9 cleat strip



RECESSED CORNER

- 1 Prefalz single lock standing seam
- 2 counter batten
- 3 solid sheathing (at least 24 mm)
- 4 fastener driven into the supporting structure
- 5 supporting structure
- 6 insulation
- 7 nogging piece





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