dani alu

Solinet®

Aluminium flashing systems

External Thermal Insulation

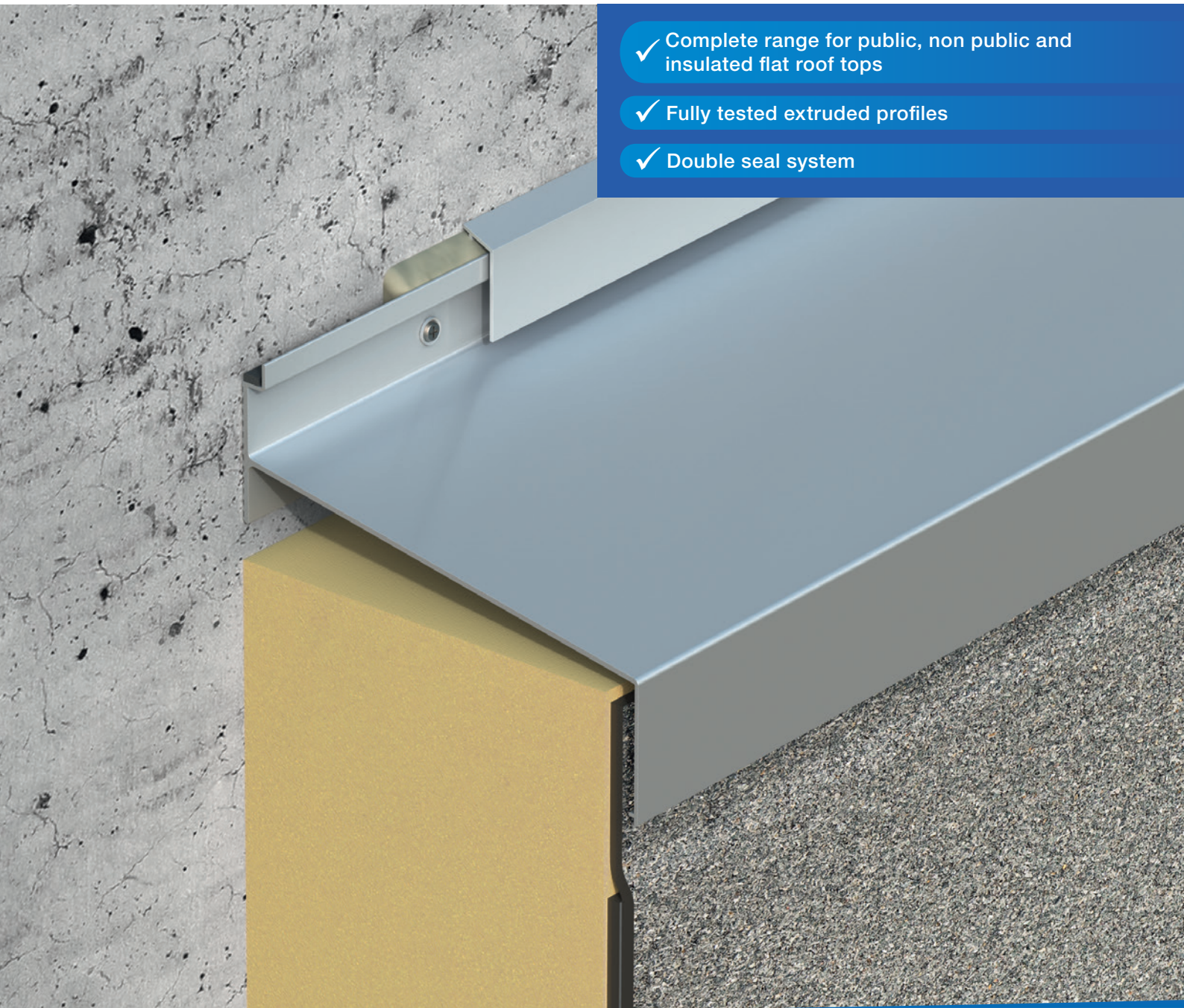**ETI** Solutions

✓ Complete range for public, non public and insulated flat roof tops

✓ Fully tested extruded profiles

✓ Double seal system

# Ideas + Aluminium = dani alu

dani alu

familly owned company since 1979, dani alu has become in35 years a European leader in flat roof and facade systems. Dani alu is a leader in the development, production and supply of aluminium building components.

Listen

dani alu is a dedicated customer oriented team carefully listening to it's customers and prescribers needs in order to support them through their problem analysis and finding adapted technical solutions.

Innovation

Innovation is at the heart of the dani alu philosophy and we are keen in constantly improving our existing products and developing new ones always more performant.
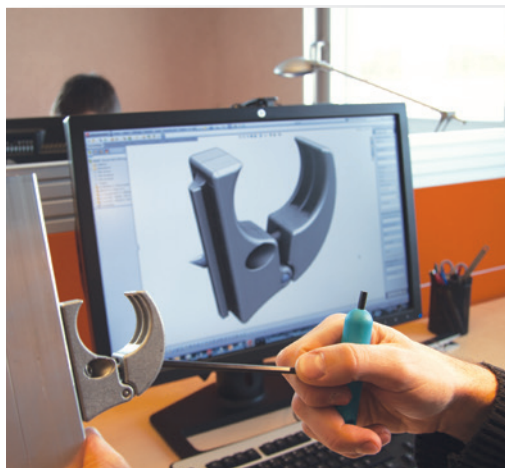
Production

dani alu insures reactivity and flexibility to your project thanks to two production sites in France, in Lyon and Paris region. 100% French fabrication.

Powder coating is fully integrated in the manufacturing plant. The Danilac label is caracterized by an environment friendly powder coating procedure

Quality

The entire staff is quality oriented during all manufacturinf stages. We propose full assistance from study to implementation.

Description of the system

Solinet® is the registered trade mark of aluminium flashing systems patented in France and abroad.

They are used in the following fields:

Protection of roof covering upstands
All our solinets® are certified by the french CSTB (French building prodcedure board.
For compliant use of the system, the use of the accessories is essential (junction pieces, angle pieces, aluminium protection on a flat roofaccessible to the public and Danivit stainless steel fixings).

Flat roofs with paving slab on supports
In the case of flat roofs with paving slab on supports, a Solinet® slab-support provides dual use as protection for the roof covering skirtings and as a support for the paving slab on supports.
Low impact labelized buildings (French BBC, BEPOS...).
Solinet® serie 50 enables to cover insulated upstands up to 160 mm thick in accordance with the French CSFE requirements

Public works
Solinet® Special bridge and car park is a product especially designed to meet heavy stresses.
Recommended by the French SETRA (public work board).

Mechanical fixing of membranes
Fixnet provides a mechanical fixing for membranes such as PVC, etc.

Pitched roof coverings
Solinet® 70 has been designed for use on traditional pitched roofs.

Patented system. Registered trade marks and designs.
Examples of use are given for information purposes only.
In the catalogue, all measurements are given in mm.

References

Solinet® Bridge ans parking

Solinet® 10/110 with aluminium protective cover

Solinet® 25/150 with aluminium protective cover

Characteristics of Solinet®

The profiles in the Solinet® range are supplied in standard lengths of 3000 mm. They are pre-drilled in the factory every 300 mm.
Each 3000 mm length carries dani alu's brand name as a mark of guarantee.

The available finishes are:

- Mill finish aluminium: non-treated aluminium, reflective appearance, turning matt over time

- Danilac powder-coated aluminium to any RAL colour

- Uneven double seal flashing system to protect the upstand including:
    - top seal for the sealant to last longer.
    - The foam at the rear makes good any irregularities and forms a barrier between the roof covering and the gun-applied sealant.
- The accessories necessary for the waterproofness of the junctions are factory madesont fabriqués en usine.
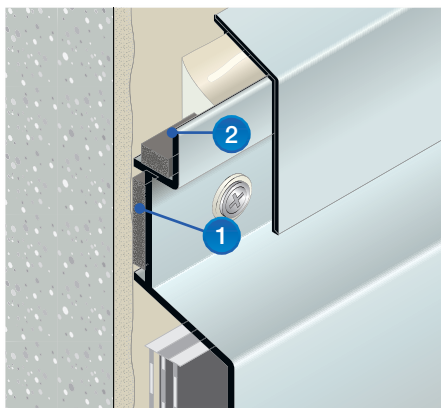

1) **The foam** at the rear makes good any irregularities and forms a barrier between the roof covering and the gun-applied sealant.
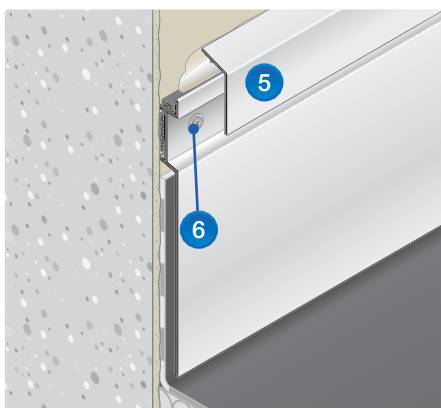2) Adequate throat with **joint backing,** allowing the gun-applied sealant to move in three dimensions.
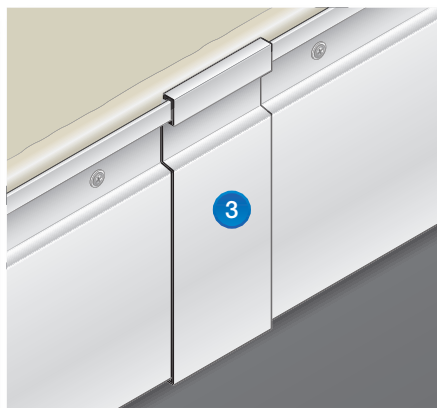
3) **Junction sleeves**, providing a perfect alignment between units and an effective joint overlap, while leaving an appropriate tolerance for expansion.
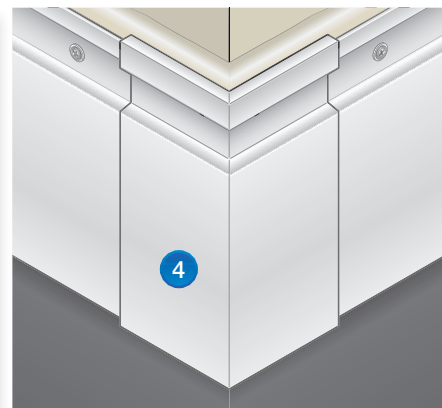

4) **Angle sleeves**, avoid mitres cutting, reduce fixings and provide a high-quality, watertight finish.

5) **Aluminium protective** cover protects the fixing from the weather, as well as the gun-applied sealant from UV and provides an attractive finish. It is mandatory on a flat roof top accessible to the public.
6) **Danivit fixing** for solid concrete that can be unscrewed in the event of dismantling.
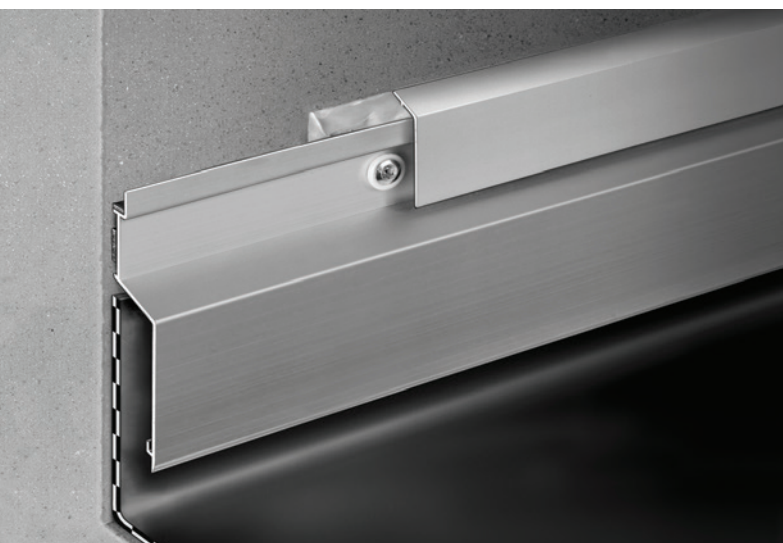

Danivit stainless steel 6 x 40 mm
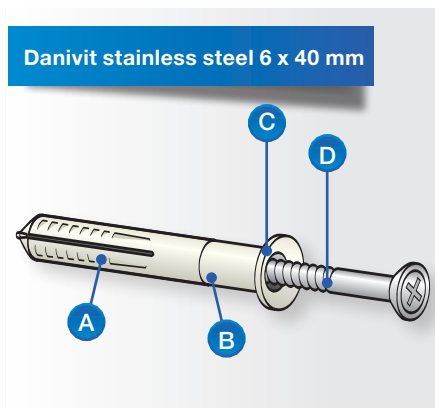
A) Plastic plug expansion zone
B) Compressible section
C) Collar, acts as a support washer
D) Expanding unit – stainless steel bolt with cross-head for dismantling

Informations laquage, nettoyage et entretien de l'aluminium sur **www.danialu.com** ou avec ce **code QR.**
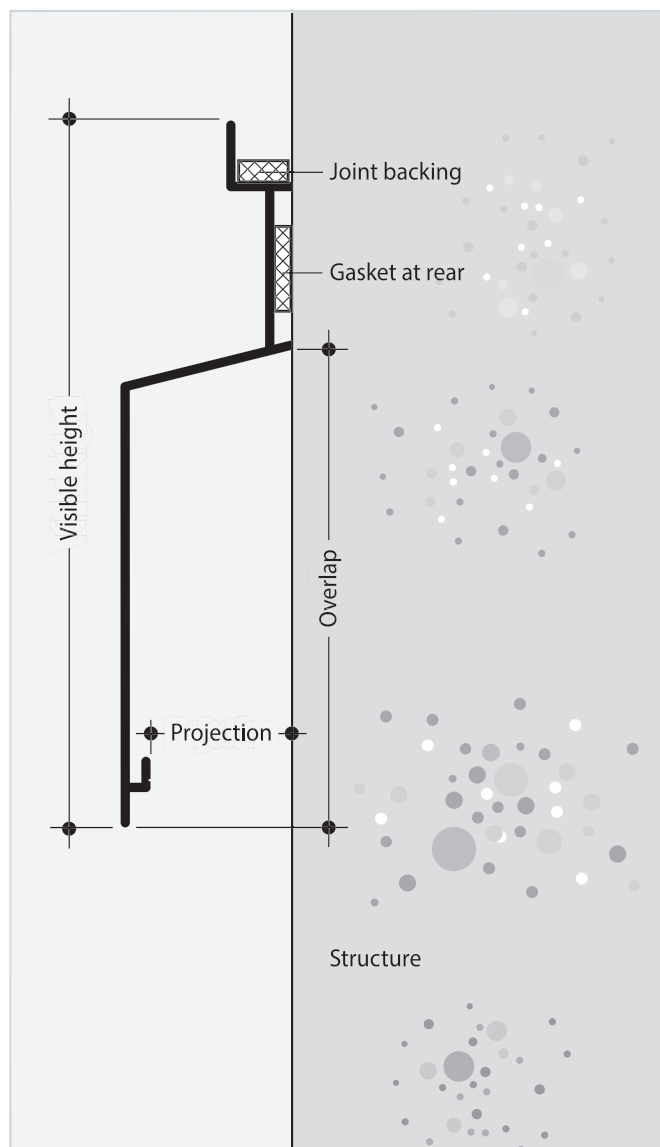
How to choose the right pattern

The questions to be asked are:
- Under what circumstances am I? Have I properly analysed my problem? In the event of doubt, call us.
- Under what accessibility conditions am I?
- Does the work include a lot of angles to be dealt with, curved sections?
- In what climate zone is the site located?
- What overlap or visible height do I need?
- Have I received the technical supervisor's approval of the pattern of Solinet proposed?
- Does the roof covering upstand include insulation?
- If yes, what thickness?

Solinet pattern	Projection mm	Overlap mm	Visible height mm	Ease of bending	Inaccessible or technical platforms	Accessible private	Accessible public (+ aluminium protection)	Car Park	Green roof or garden
15/40	15	40	73		●	●			●
10/50	10	50	87	●	●	●			●
10/110	10	110	147	●	●	●	●		●
20/60	20	60	100		●	●			●
20/100	20	100	140		●	●	●		●
15/50	15	50	88		●	●			●
40/50	40	50	92		●	●	●		●
60/50	60	50	100		●	●	●		●
100/50	100	50	100		●	●	●		●
160/50 NEW!	160	50	115		●	●	●		●
100/100	100	100	150		●	●			●
25/150	25	150	183		●	●	●		●
160	15	120	159		●	●	●		●
Contour	10	Varies		●	●	●			
Slab-support	11	40	77		●	●	●		●
Special bridge and car park	12	110	145			●	●	●	

An obvious idea:
This special joint backing allows the sealant to retain all of its elasticity over time, containing expansion and thus avoiding cracking by torsion.

Joint backing

Gasket at rear

Visible height

Overlap

Projection

Structure

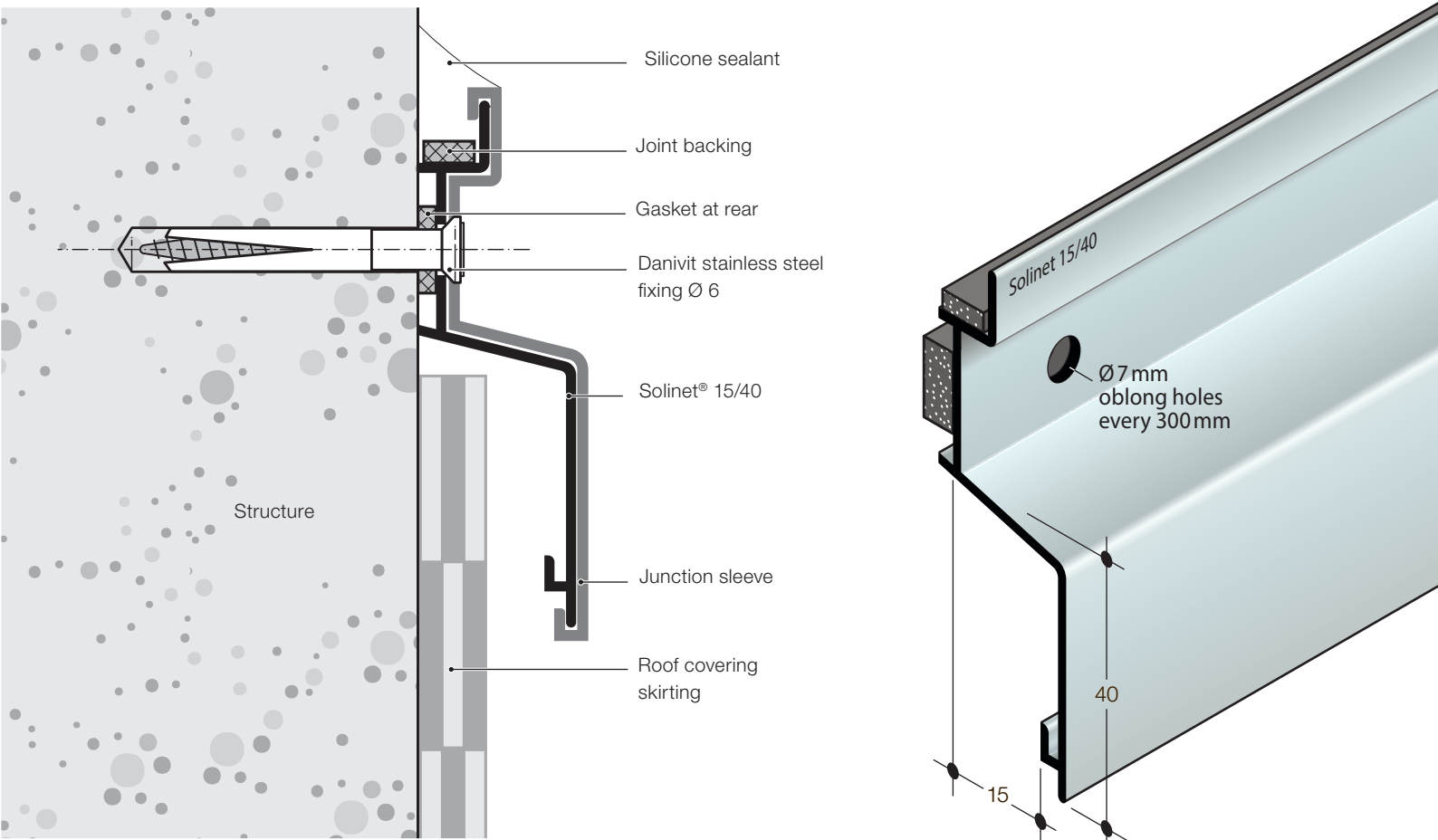The french CSTB certificate is available upon demand

Solinet® 15/40

French CSTB (french building procedure board) approved certificate for:

- inaccessible flat roof or technical platforms;
- private accessible flat roof;
- green roof or garden

Example of use

As a replacement for zinc or galvanised strips and concrete fillets
Ech. 1/1

Silicone sealant

Joint backing

Gasket at rear

Danivit stainless steel fixing Ø 6

Solinet® 15/40

Structure

Junction sleeve

Roof covering skirting

Solinet 15/40

Ø 7 mm oblong holes every 300 mm

40

15

Accessories for Solinet® series 15/40

45   45

60   60

50

External angle sleeve

Internal angle sleeve

Junction sleeve

Endpiece

Solinet® series 10

French CSTB (french building procedure board) approved certificate for:

Solinet® 10/50

- inaccessible flat roof or technical platforms
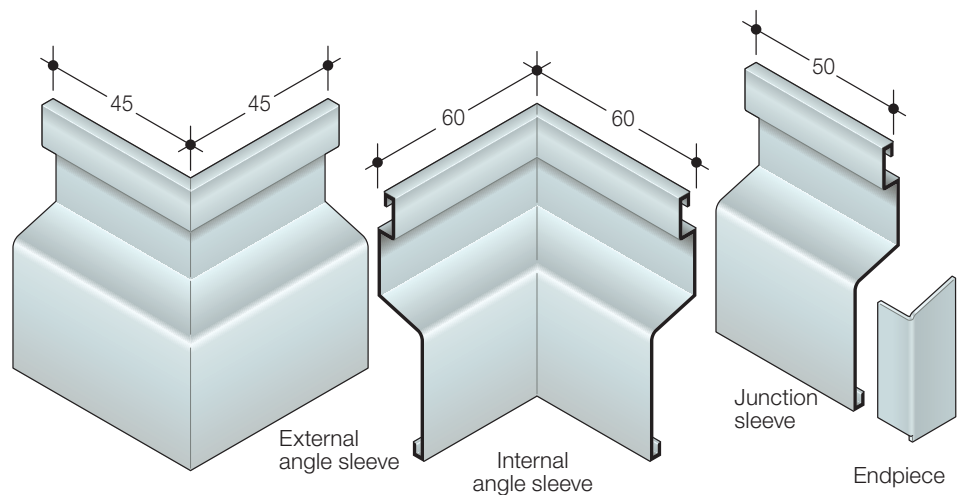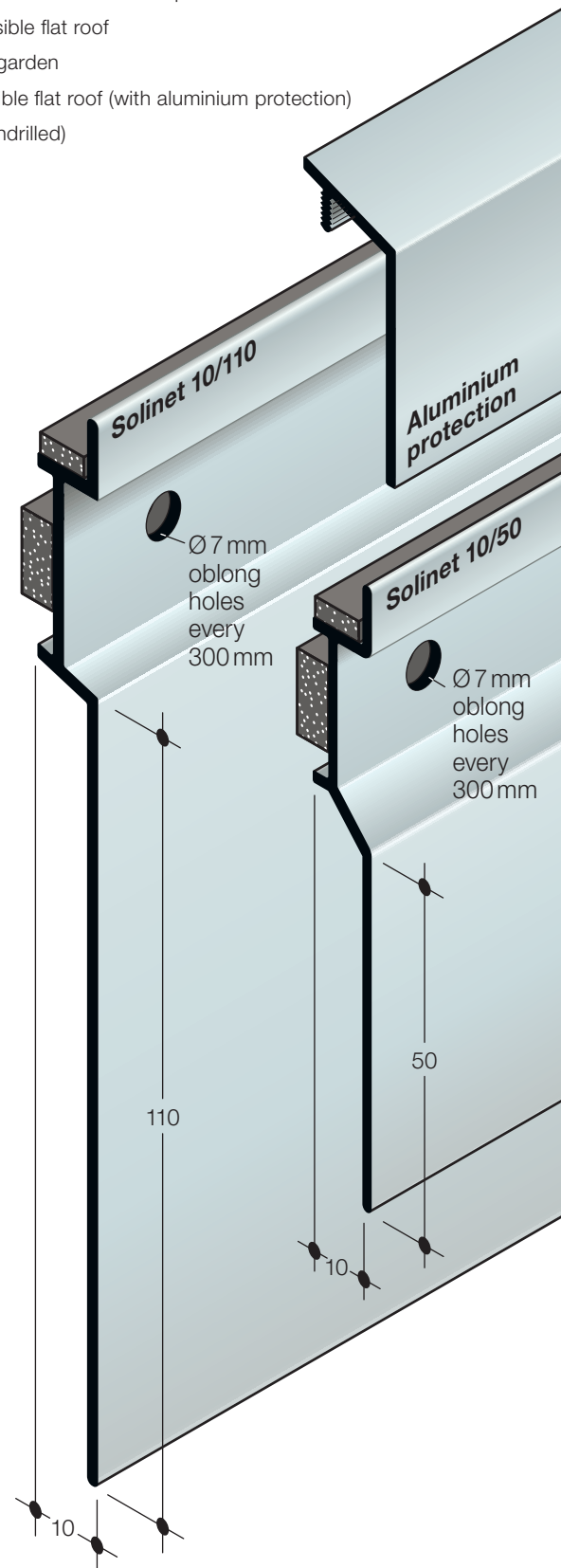- private accessible flat roof
- green roof or garden
- bendable (if undrilled)

Solinet® 10/110

- inaccessible flat roof or technical platforms
- private accessible flat roof
- green roof or garden
- public accessible flat roof (with aluminium protection)
- bendable (if undrilled)

Example of use
Solinet® 10/110
Ech. 1/1

Silicone sealant

Joint backing

Danivit stainless steel fixing Ø 6

Gasket at rear

Solinet® 10/110

Junction sleeve

Structure

Flat roof covering

Solinet 10/110

Aluminium protection

Solinet 10/50

Ø 7 mm oblong holes every 300 mm

Ø 7 mm oblong holes every 300 mm

110

50

10

10

Solinet® Série 10

Example of use
Solinet® 10/50
Ech. 1/1

Silicone sealant

Joint backing

Danivit stainless steel fixing Ø 6

Gasket at rear

Structure

Solinet® 10/50

Junction sleeve

Flat roof covering

Accessories for Solinet® series 10

55   55

External angle sleeve

60   60

Internal angle sleeve

50

Junction sleeve

Solinet® Série 20

French CSTB (french building procedure board) approved certificate for:

Solinet® 20/60

- inaccessible flat roof or technical platforms
- private accessible flat roof
- green roof or garden

Solinet® 20/100

- inaccessible flat roof or technical platforms
- private accessible flat roof
- green roof or garden
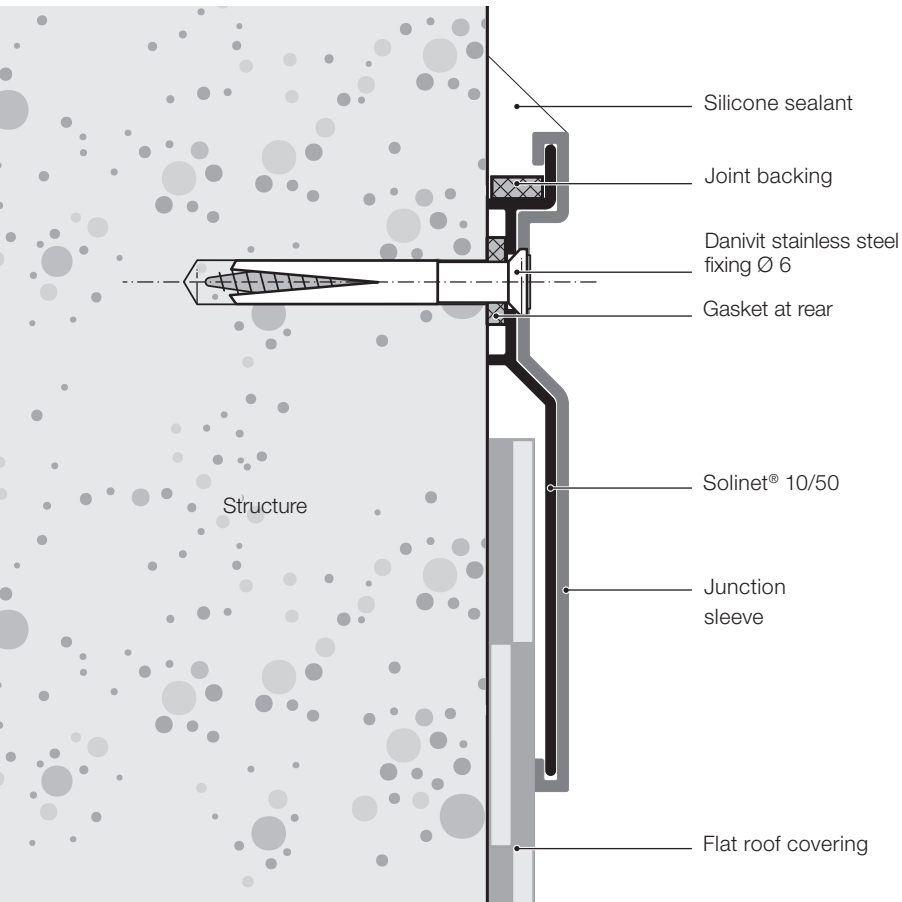- public accessible flat roof (with aluminium protection)

Example of use
Solinet® 20/100
Ech. 1/1
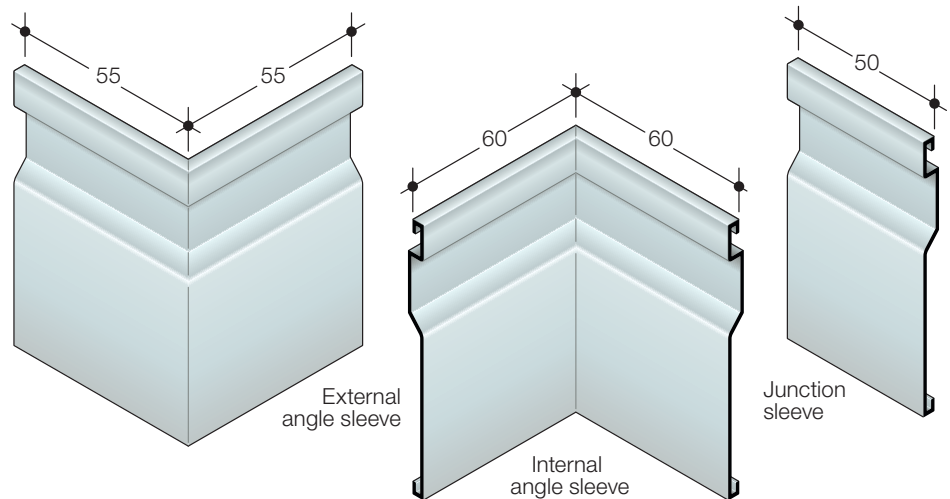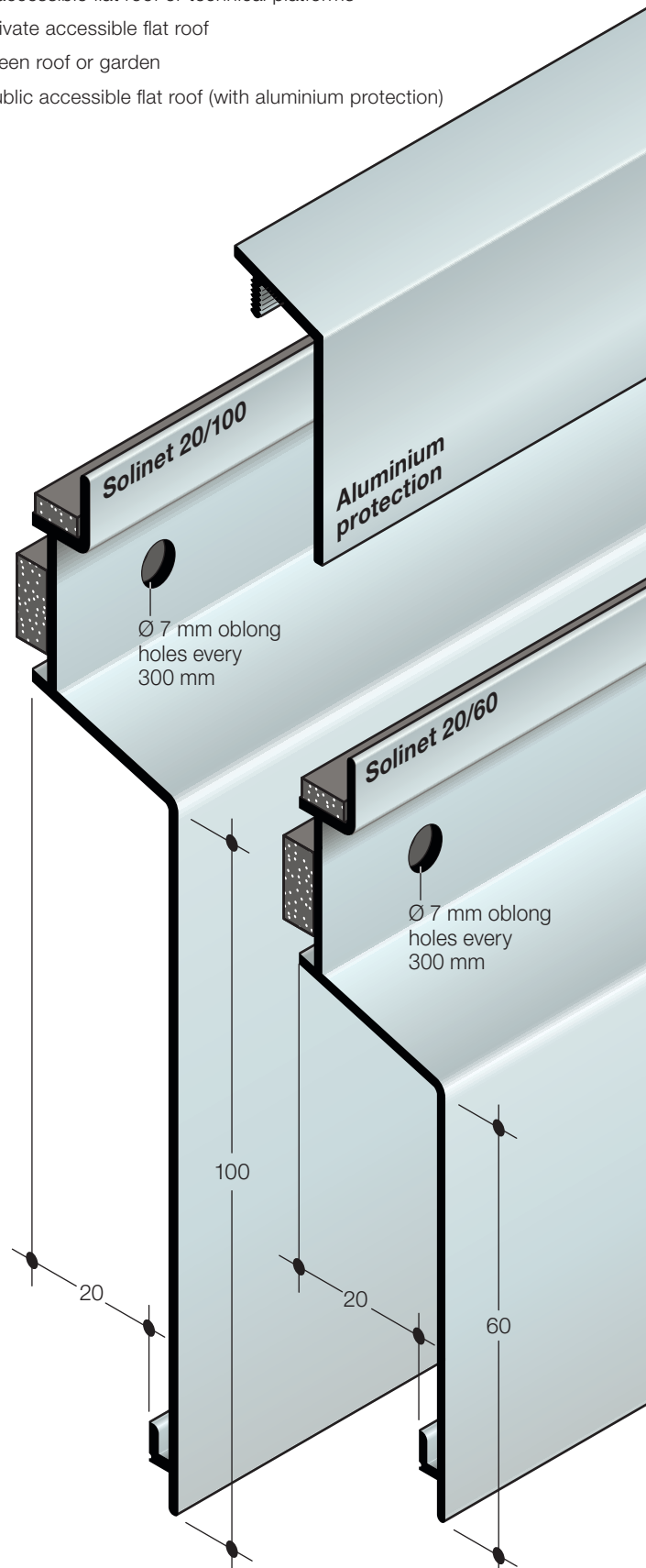
Aluminium protection (recommended on a flat roof accessible to the public)

Silicone sealant

Joint backing

Danivit stainless steel fixing Ø 6

Gasket at rear

Solinet® 20/100

Junction sleeve

Structure

Flat roof covering

Solinet 20/100

Aluminium protection

Ø 7 mm oblong holes every 300 mm

Solinet 20/60

Ø 7 mm oblong holes every 300 mm

100

20

20

60

Solinet® Série 20

Example of use
Solinet® 20/60
Ech. 1/1

Silicone sealant

Joint backing

Danivit stainless steel
fixing Ø 6

Gasket at rear

Structure

Solinet® 20/60

Junction sleeve

Flat roof covering

Accessoires for Solinet® series 20

60   60

80   80

50

External
angle sleeve

Internal
angle sleeve

Junction
sleeve

End piece

Solinet® series 50

French CSTB (french building procedure board) approved certificate forserie 50 except 15/50:
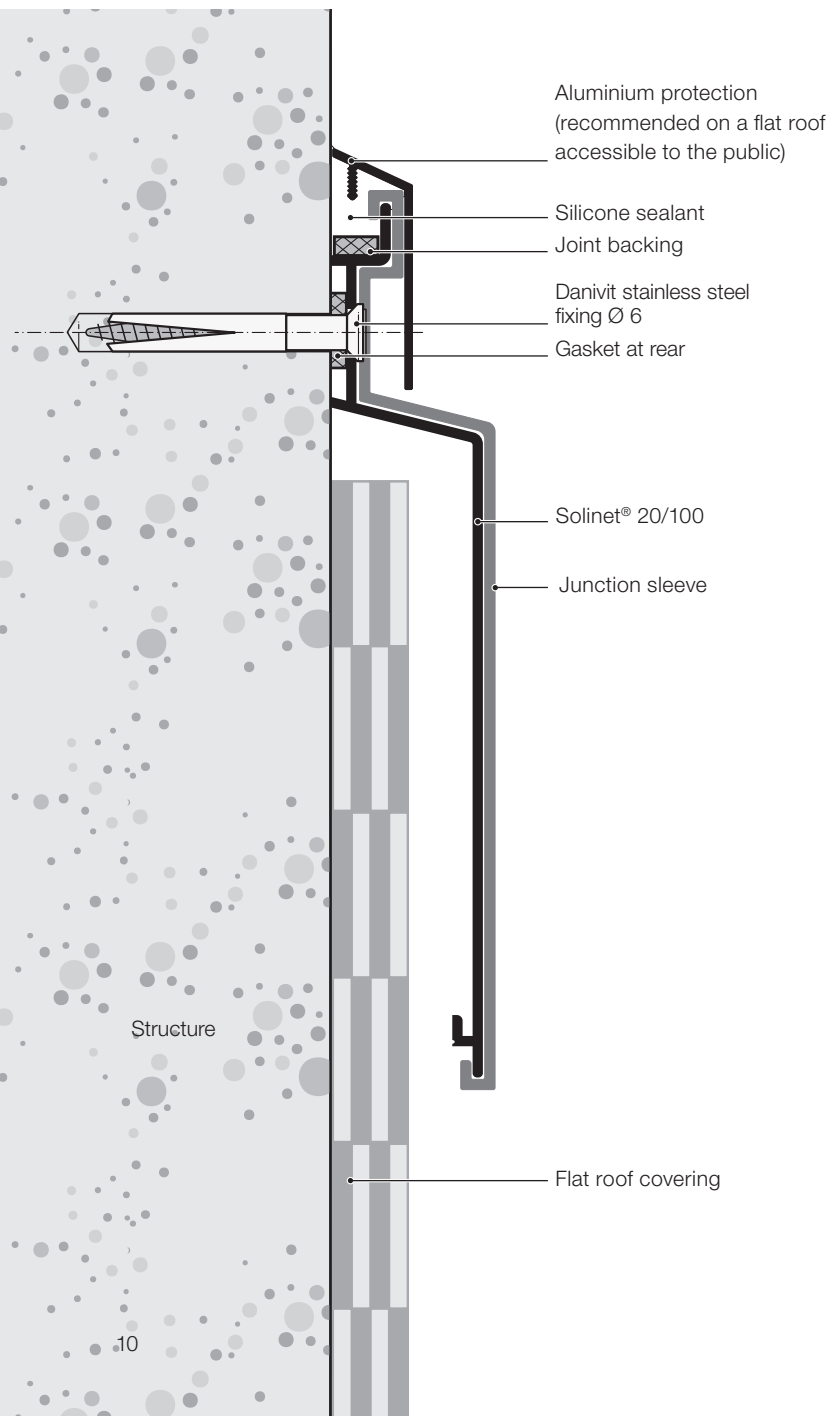
- inaccessible flat roof or technical platforms
- private accessible flat roof
- planted roof or garden
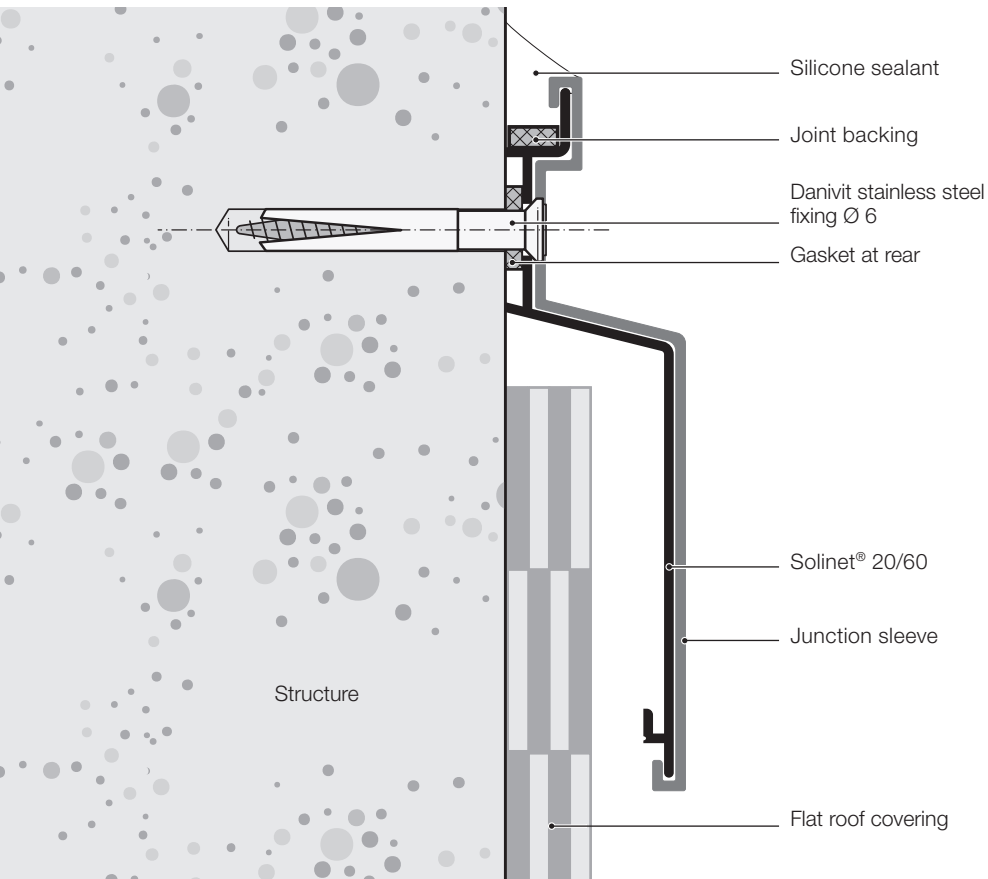- public accessible flat roof (with aluminium protection)
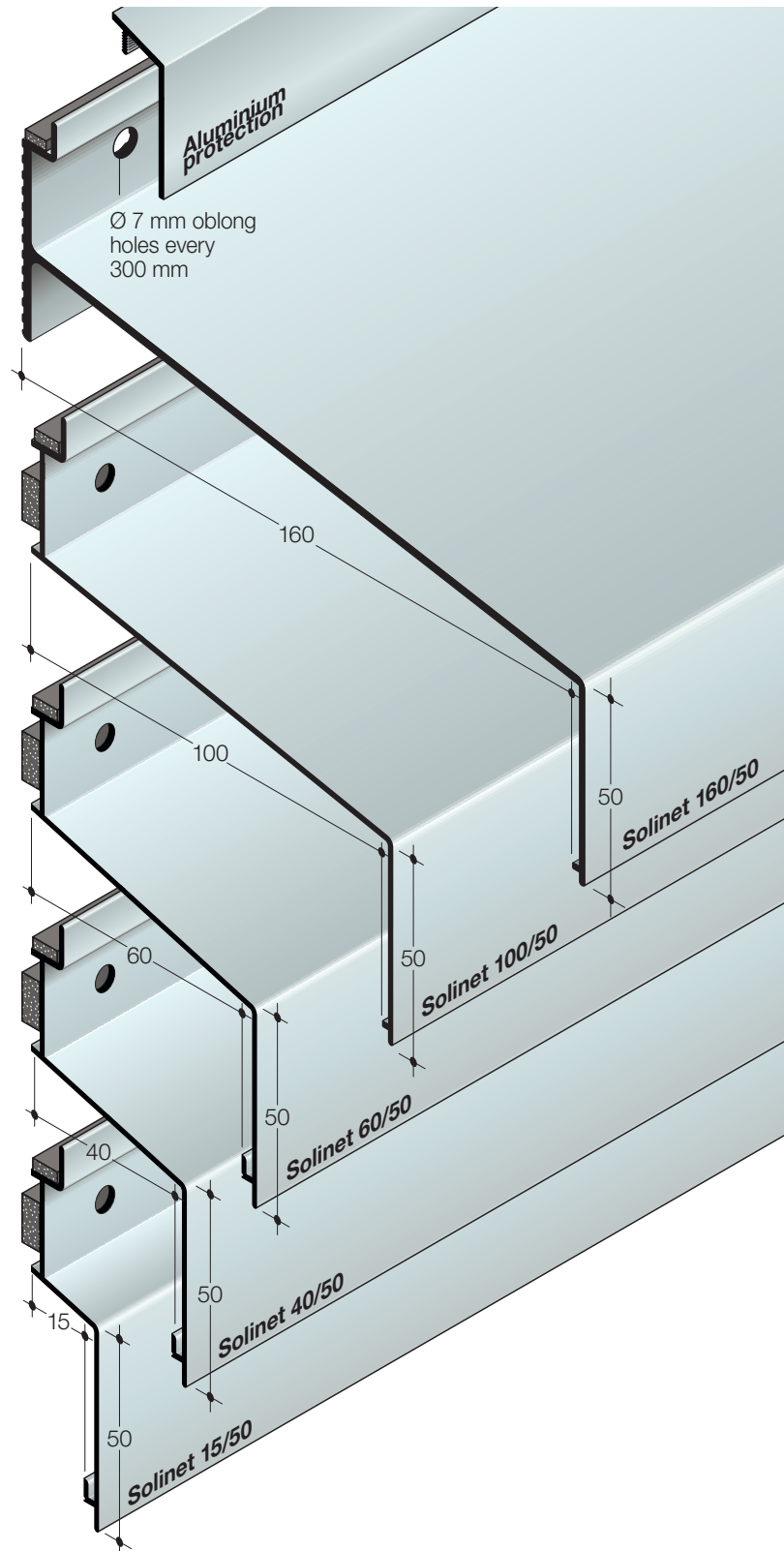
Solinet® 15/50

- inaccessible flat roof or technical platforms
- private accessible flat roof
- planted roof or garden

Example of use
Solinet® 15/50
Ech. 1/1

Silicone sealant

Joint backing

Danivit stainless steel fixing Ø 6

Gasket at rear

Solinet® 15/50

Junction sleeve

Structure

Flat roof covering

Aluminium protection

Ø 7 mm oblong holes every 300 mm

160

100

60

40

15

50

50

50

50

50

50

Solinet 160/50

Solinet 100/50

Solinet 60/50

Solinet 40/50

Solinet 15/50

Solinet® series 50

Example of use
Solinet® 160/50
Ech. 1/1,5

- Aluminium protection
- Silicone sealant
- Joint backing
- Danivit stainless steel fixing Ø 6

Structure

Insulation

Solinet® 160/50

Junction sleeve

Flat roof covering
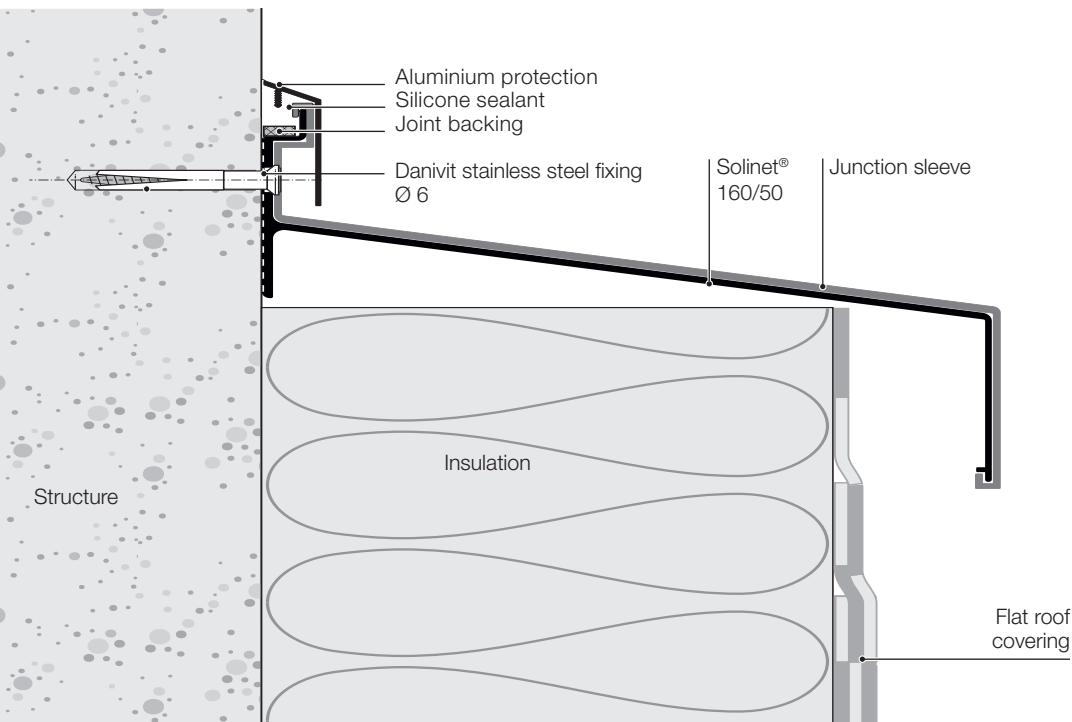
Accessories for Solinet series 50

Size of angles	External measure «x»	Internal measure «y»
Solinet® 15/50	45 mm	60 mm
Solinet® 40/50	40 mm	100 mm
Solinet® 60/50	60 mm	120 mm
Solinet® 100/50	80 mm	180 mm
Solinet® 160/50	80 mm	240 mm

External angle sleeve

Internal angle sleeve

Junction sleeve

Endpiece

50

13
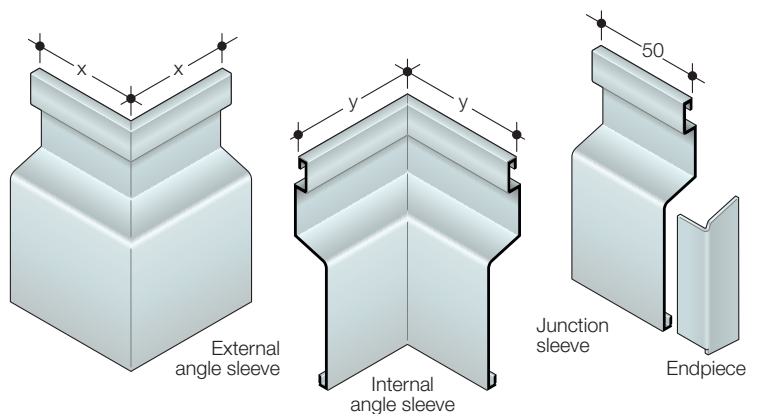
Solinet® series 100

Sismic regions approved flashing profile

French CSTB (french building procedure board) approved certificate for:

Solinet® 100/100

- inaccessible flat roof or technical platforms
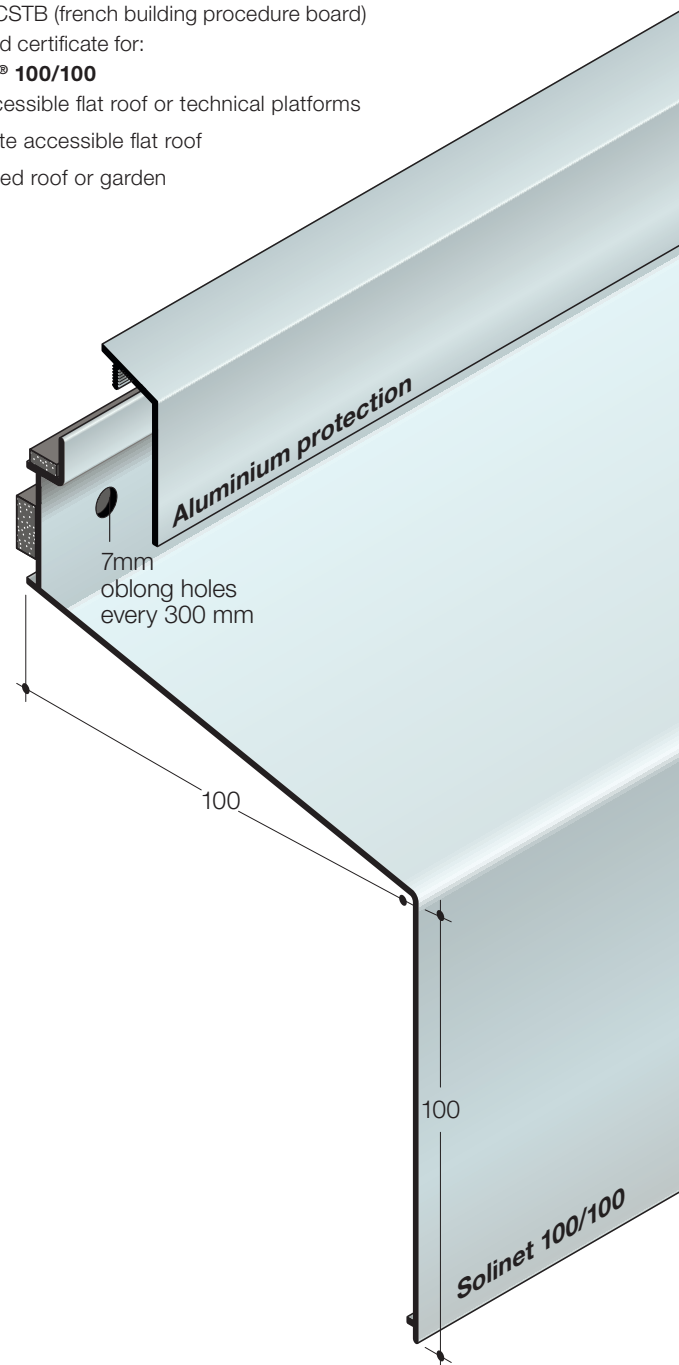- private accessible flat roof
- planted roof or garden

Example of use
Solinet® 100/100
Ech. 1/1,5

Aluminium protection

Joint backing

Danivit stainless steel fixing Ø 6

Gasket at rear

Solinet® 100/100

Junction sleeve

Structure

Aluminium protection

7mm oblong holes every 300 mm

100

100

Solinet 100/100

Flat roof covering

Metallic upstand (not provided)

Isulation

Isulation
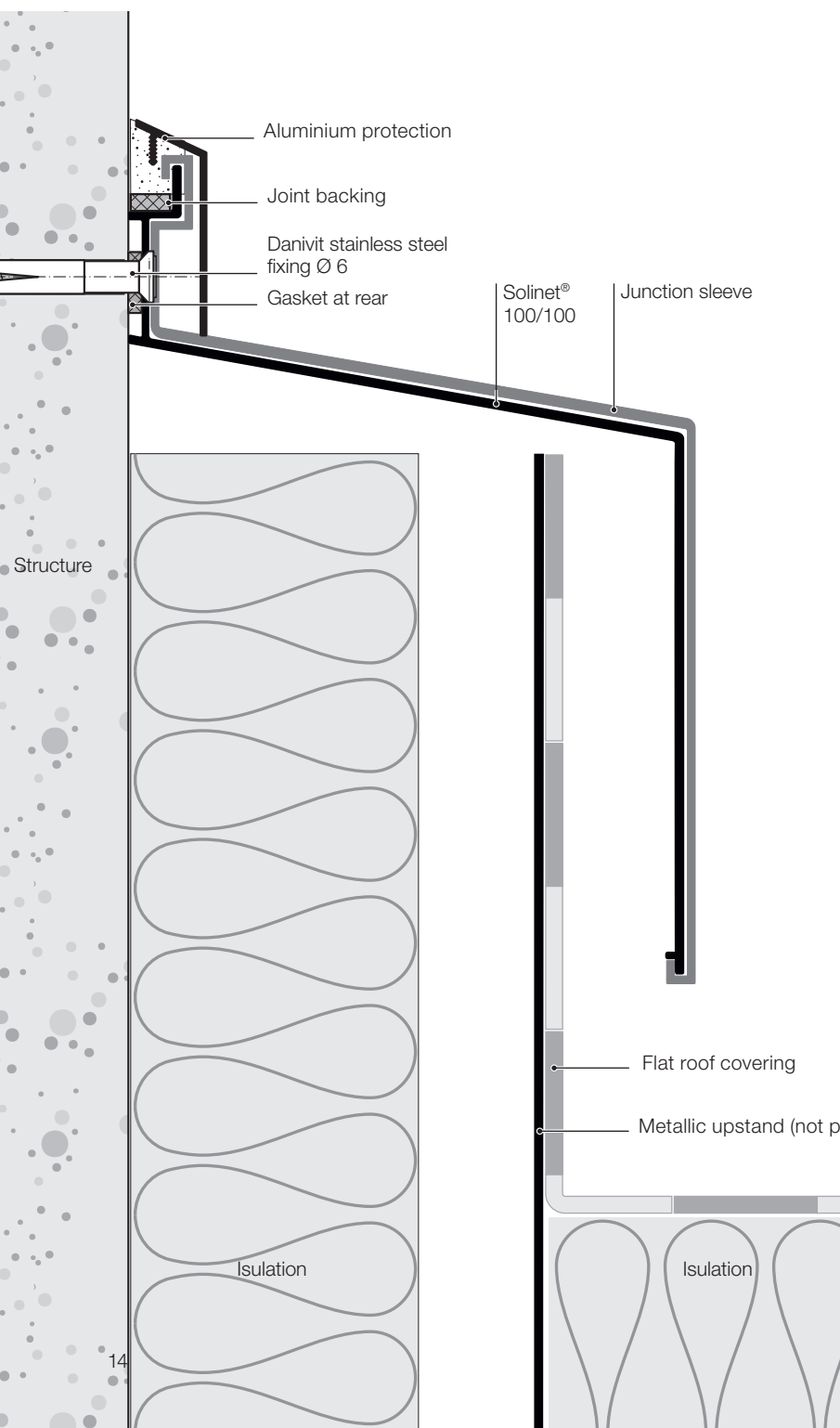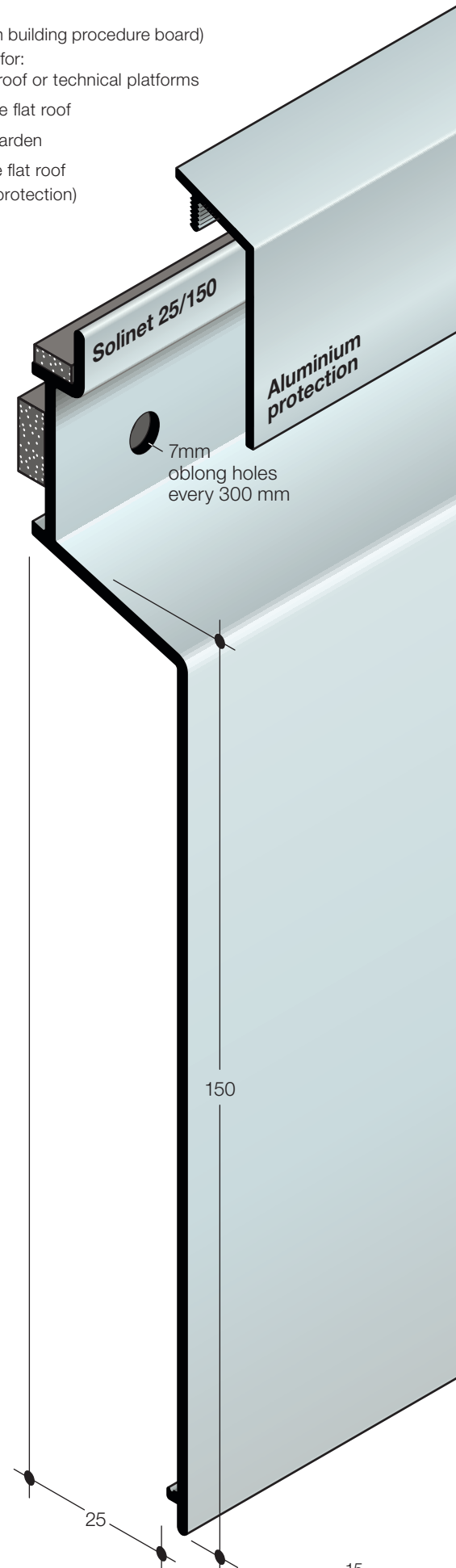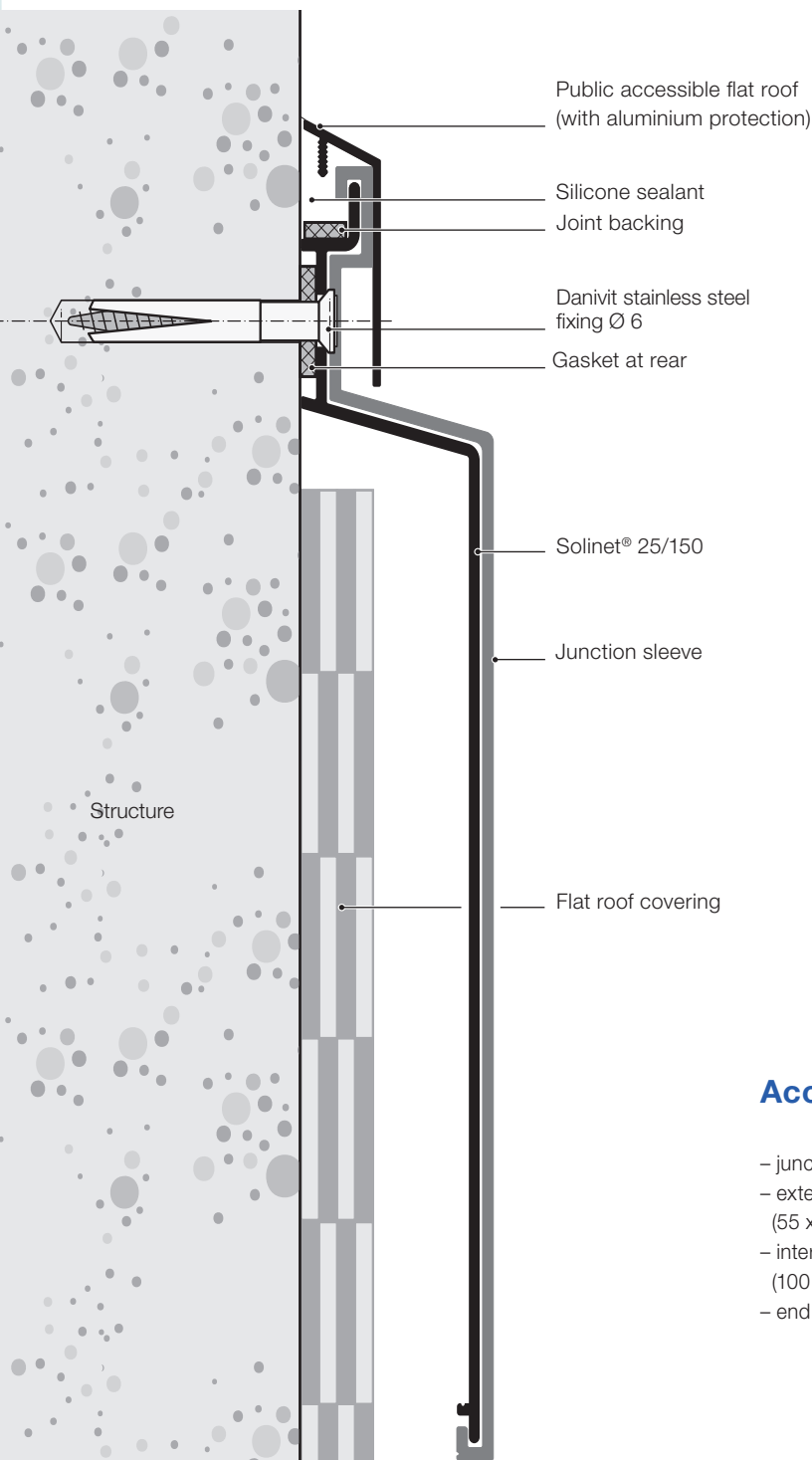
Solinet® 25/150

French CSTB (french building procedure board) approved certificate for:

- inaccessible flat roof or technical platforms
- private accessible flat roof
- planted roof or garden
- public accessible flat roof (with aluminium protection)

Example of use
Ech. 1/1

Public accessible flat roof (with aluminium protection)

Silicone sealant

Joint backing

Danivit stainless steel fixing Ø 6

Gasket at rear

Solinet® 25/150

Junction sleeve

Structure

Flat roof covering

Solinet 25/150

Aluminium protection

7mm oblong holes every 300 mm

150

25

15

Accessoires :

– junction sleeve (50 mm)
– external angle sleeve (55 x 55 mm)
– internal angle sleeve (100 x 100 mm)
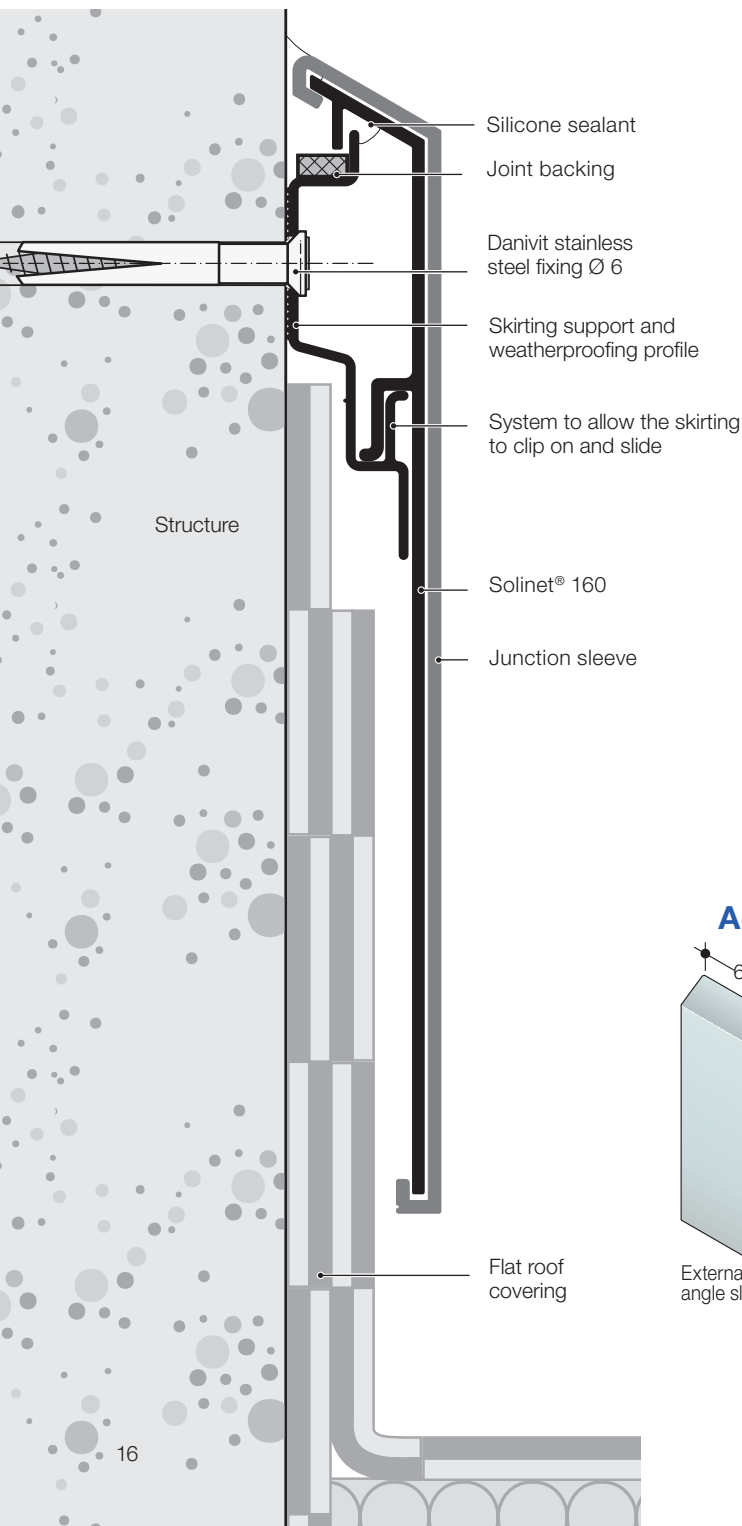– end piece

Solinet® 160

Overlap skirting

Solinet® 160 overlap skirting, patented in France and abroad, provides protection without contact with the roofcovering upstands, non-visible fixings and waterproofing are sheltered from adverse weather and UV, free expansion of the overlap profile and a new attractive appearance.

This skirting is particularly suitable for accessible flat roofs or areas of traffic, where an attractive appearance and safety are required.
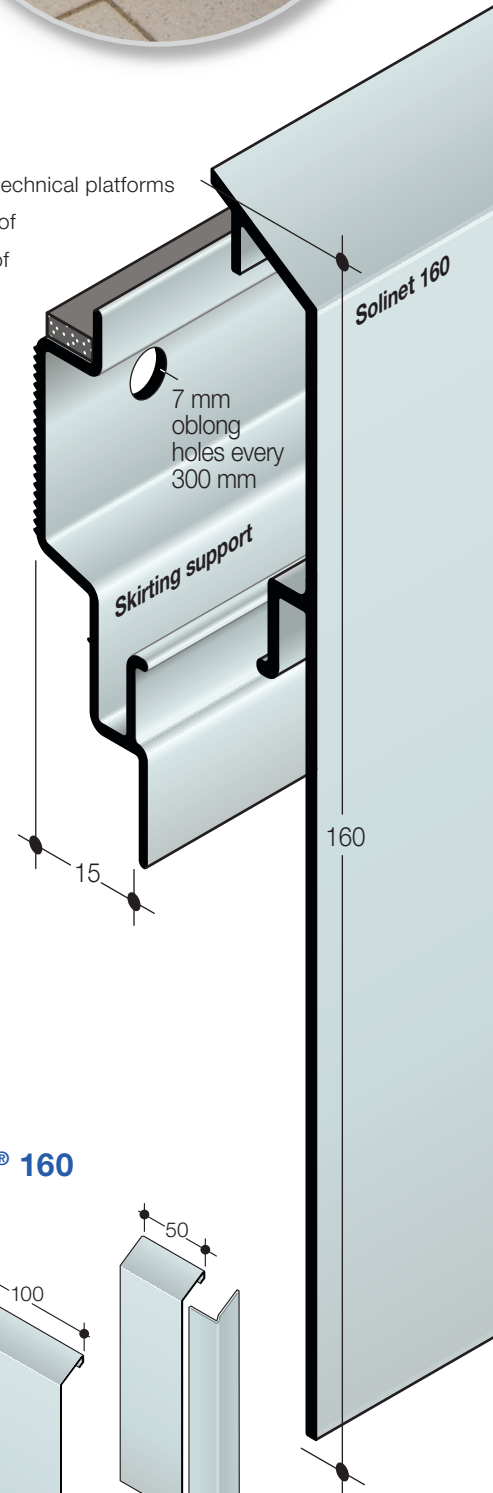
Example of use
Ech. 1/1,25

Silicone sealant

Joint backing

Danivit stainless steel fixing Ø 6

Skirting support and weatherproofing profile

System to allow the skirting to clip on and slide

Structure

Solinet® 160

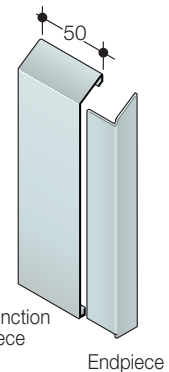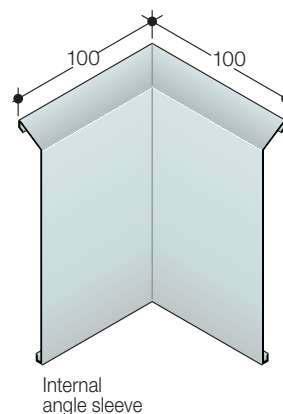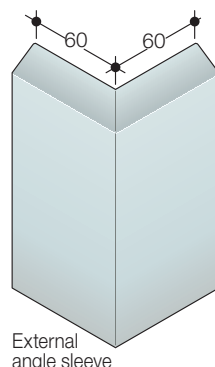Junction sleeve

Flat roof covering

CSTB
Avis Technique CSTB pour :
- inaccessible flat roof or technical platforms
- private accessible flat roof
- public accessible flat roof
- green roof or garden

Solinet 160

7 mm oblong holes every 300 mm

Skirting support

15

160

Accessories for Solinet® 160

60 60

External angle sleeve

100 100

Internal angle sleeve

50

Junction piece

Endpiece

Solinet® Contour

Solinet® Contour provides an original and attractive solution in refurbishment and in particular cases.

French CSTB (french building procedure board) approved certificate for:
Solinet® Contour

- inaccessible flat roof or technical platforms
- private accessible flat roof
- bendable

Example of use
In refurbishment with Solinet® 125
Ech. 1/1

Silicone sealant

Joint backing

Danivit stainless steel fixing Ø 6

Gasket at rear

Structure

Solinet® 10/50

Solinet® contour 125

Junction sleeve

Flat roof covering

Solinet 10/50

Solinet Contour 125

Solinet Contour 150

Solinet Contour 175

Solinet Contour 200

7 mm oblong holes every 300 mm

125

150

175

200

(any other size on request)

Accessories for Solinet® Contour

80   80

Fourreau
d'angle sortant

80   80

Fourreau
d' angle rentrant

80

Fourreau
de jonction

17

Solinet® slab-support

Solinet® slab-support is a dual-function aluminium system:

- flashing to protect the top of roof covering upstands
- support for paving slab, by providing stability around the edge of the flat roof

French CSTB approuved certificate for both above functions.
Solinet® slab-support ensures the durability
of the structural work and the contractor's reputation.

Solinet® slab-support leads to cost savings:

- a single profile fulfils two functions: protective flashing and paving slab support,
- the installation of the paving slabs is simplified: the profile acts as a setting-out point for the adjustment of the pads,
- installation is faster: the paving slab support is fixed at the same time as the flashing at the perimeter,
- cost saving for the pads around the perimeter and for cutting, levelling and wedging.

Les profilés sont livrables en longueurs
de 3 000 mm, pré-percés en usine diamètre 7 tous les 300 mm.
The profiles are available in lengths of 3000 mm, with
7 mm diameter factory-drilled holes at 230 mm centres.
All the patterns include accessories, such as internal and external angles, junction pieces and aluminium protection.

Solinet® slab-support

This pattern is appreciated for its discretion.
It is also suitable for use with thin paving slabs.

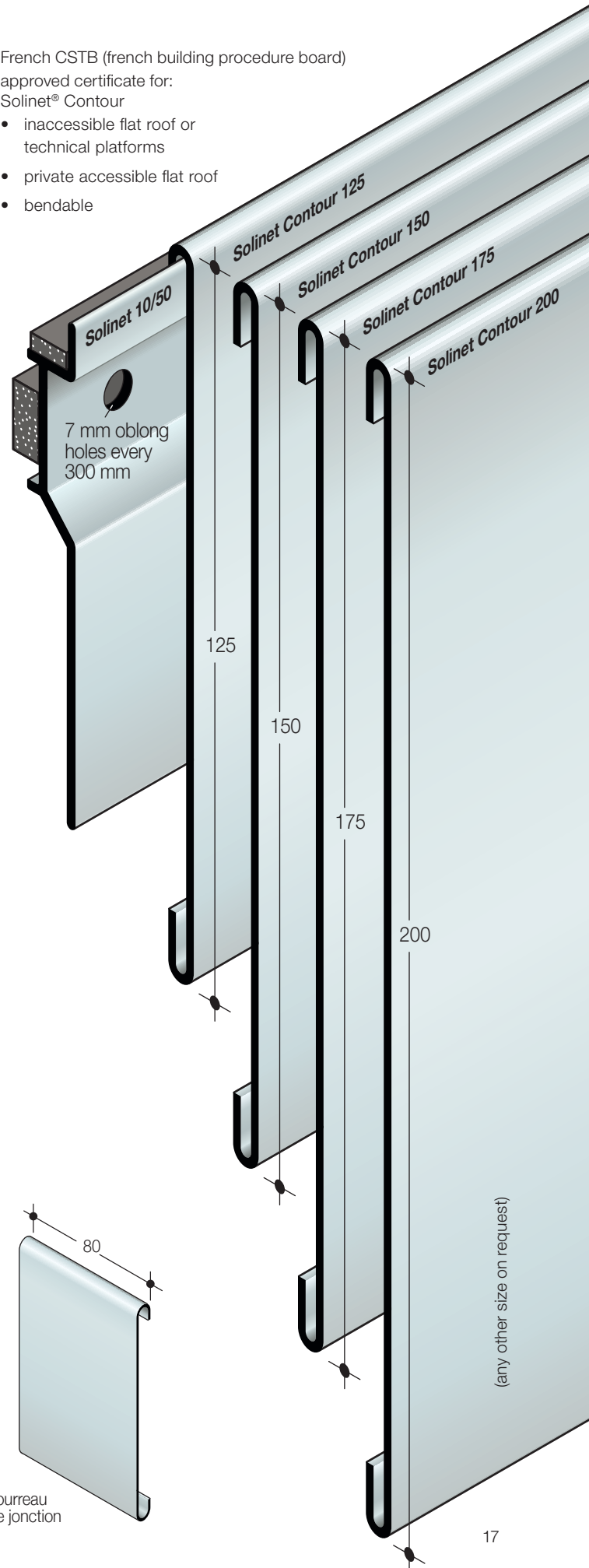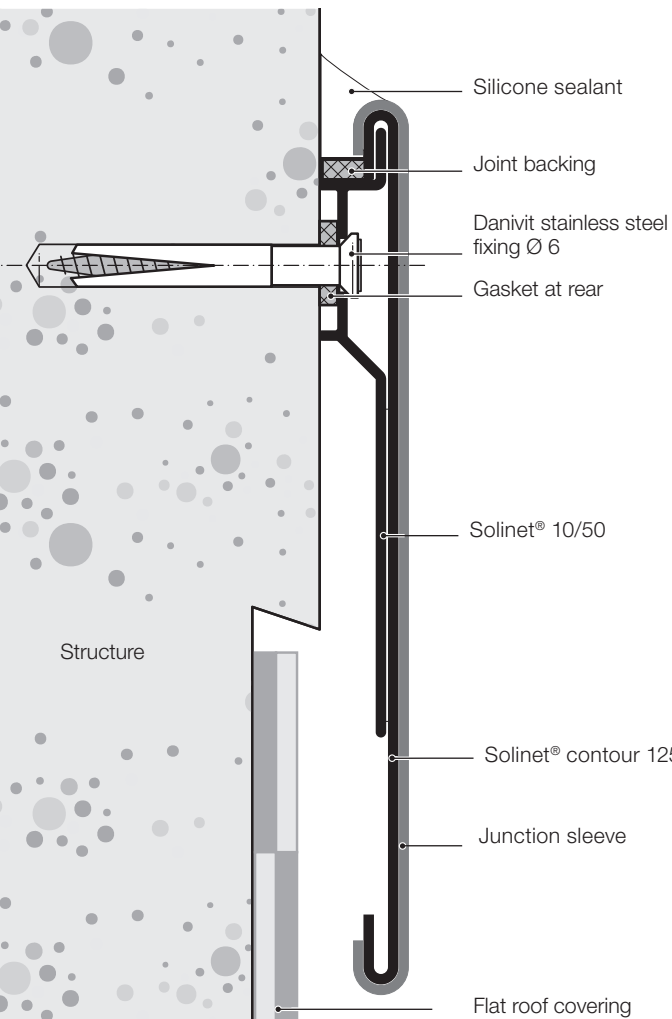French CSTB (french building procedure board)
approved certificate for:

• inaccessible flat roof or technical platforms

• private accessible flat roof

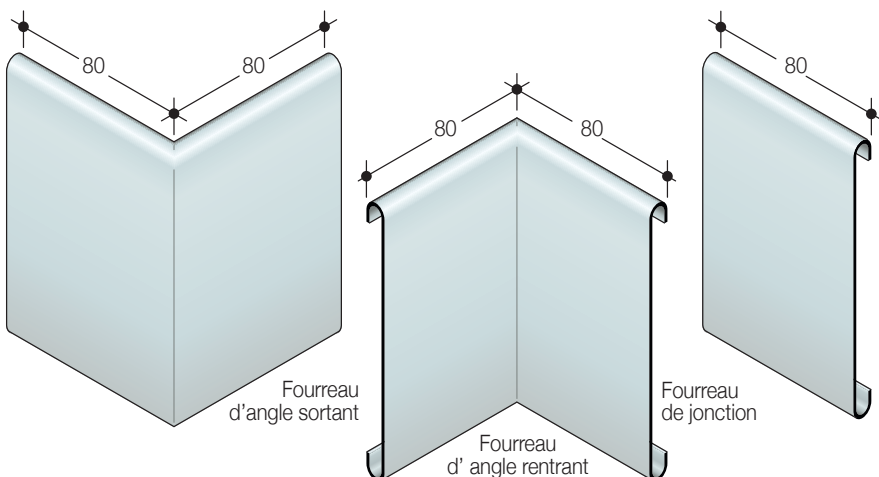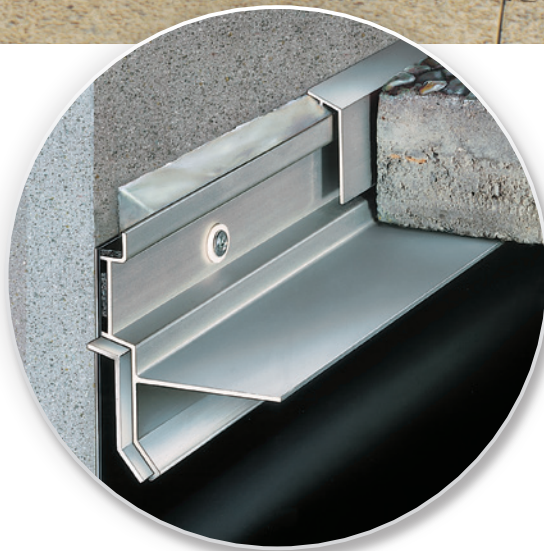• public accessible flat roof (with aluminium protection)

• planted roof or garden

Example of use
Solinet® slab-support
Ech. 1/1
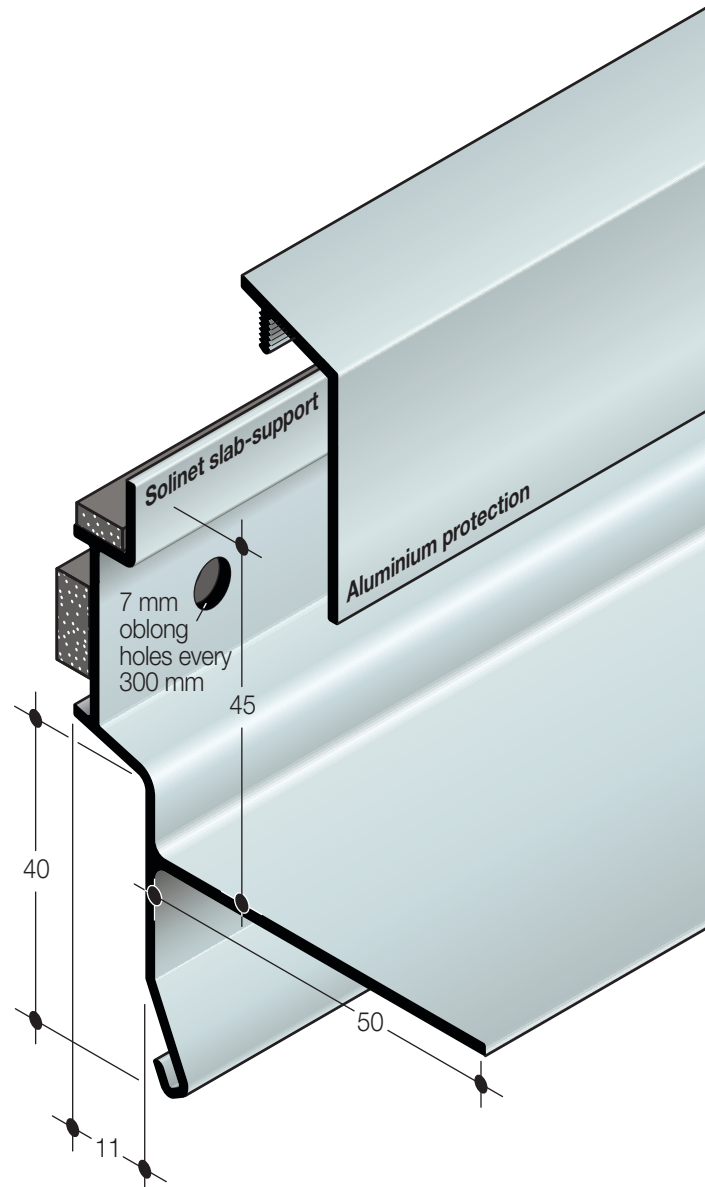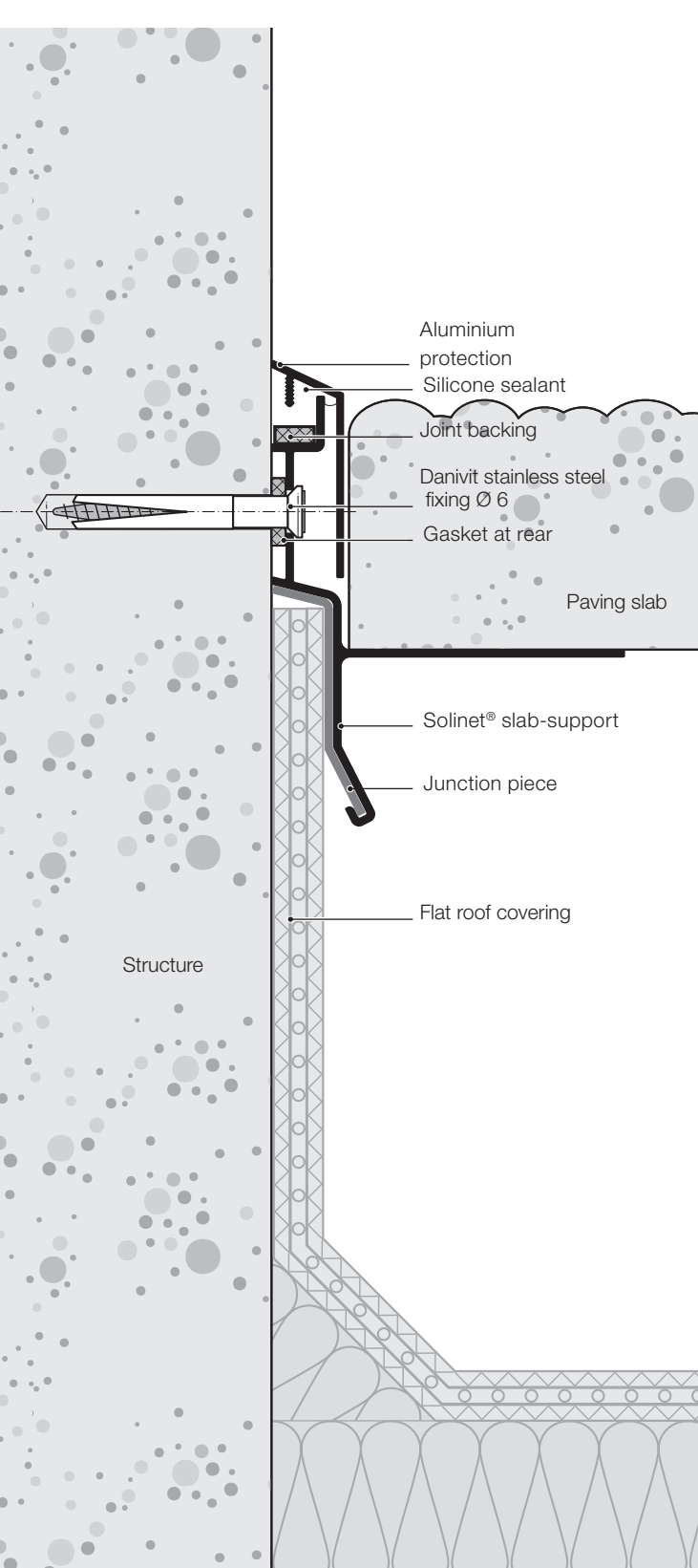
Solinet® slab-support

Example of use
In the case of a casement door with a grating
Ech. 1/1

Protègenet threshold

Silicone sealant

Joint backing

Danivit stainless steel
fixing Ø 6

Gasket at rear

Structure

Metal
grating or
paving slab

Solinet® slab-support

Junction piece
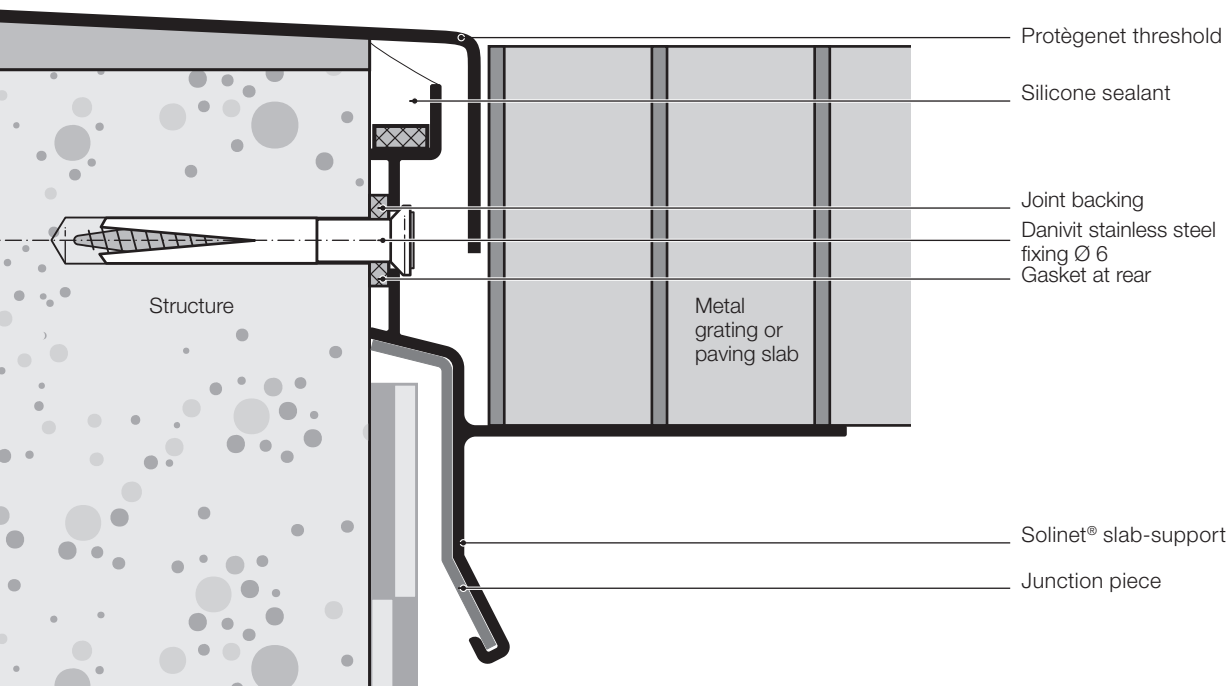
Accessories for Solinet® slab-support

3000

200

3-5 mm

200

200

200

Junction
sleeve

Internal
angle sleeve

External
angle sleeve
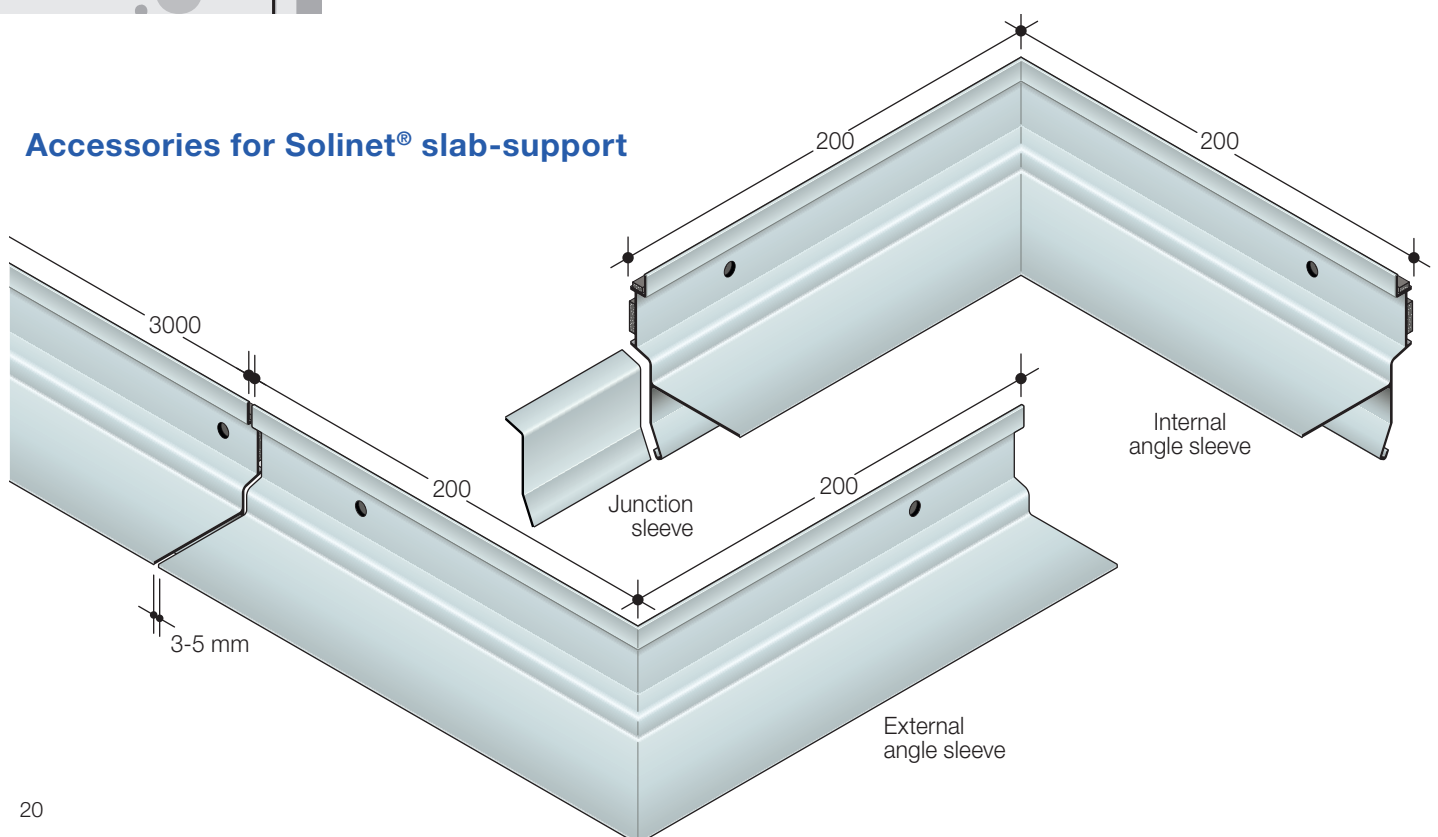
Solinet® Special bridge and car park

This device has been designed especially to deal with roof covering upstands in:

* civil engineering structures (bridges and viaducts)
* trafficable flat roofs
* car parks

French CSTB (french building procedure board) approved certificate for:

* private accessible flat roof
* public accessible flat roof (with aluminium protection)
* car park

Example of use

Special bridge
Ech. 1/1
Outline sketch of a screed upstand with Solinet® Special bridge

mini 40

mini 40

This protective „nosing" will only be necessary if there is a risk of contact with traffic

Silicone sealant

25

Joint backing
Lifting stud

Danivit stainless steel fixing Ø 6

Junction sleeve

Solinet Special bridge and car park

Compression joint
Stiffeners
Ergots de compression

Flat roof covering

Compression joint
Stiffeners
Lifting stud

Protective facing

Paving

Solinet Special bridge and car park

Aluminium Protection

Ø7 mm oblong holes every 300 mm

110

12

Solinet® Special bridge and car park

Structure

Aluminium protection
Silicone sealant
Joint backing
Joint backing

Danivit stainless steel fixing Ø 6

Solinet® special bridge and car park

Flat roof covering

Compression joint
Stiffeners

Compression studs

Junction sleeve

Compression joint
Stiffeners

Compression studs

mini 100

10

22

Paving

Example of use

in the case of a car park

Ech. 1/1,25

Accessories for Solinet® Special bridge and car park

65   65

80   80

50

External
angle sleeve

Internal
angle sleeve

Junction
sleeve
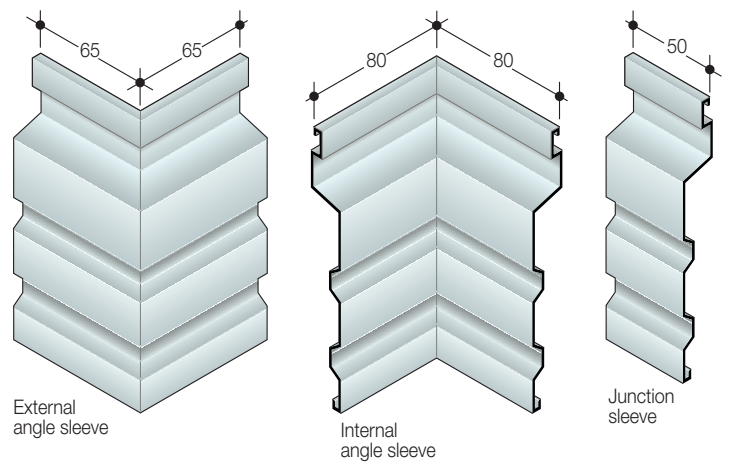
Fixnet®

Mechanical fixing of roof covering membranes

The Fixnet series is used for the mechanical fixing of roof covering membranes.
Bendable

Example of use

Fixnet® 45 - As protection for the upstand with joint backing
Ech. 1/1

Structure

Silicone sealant

Joint backing

Danivit stainless steel fixing Ø 6

Fixnet® 45

Flat roof covering
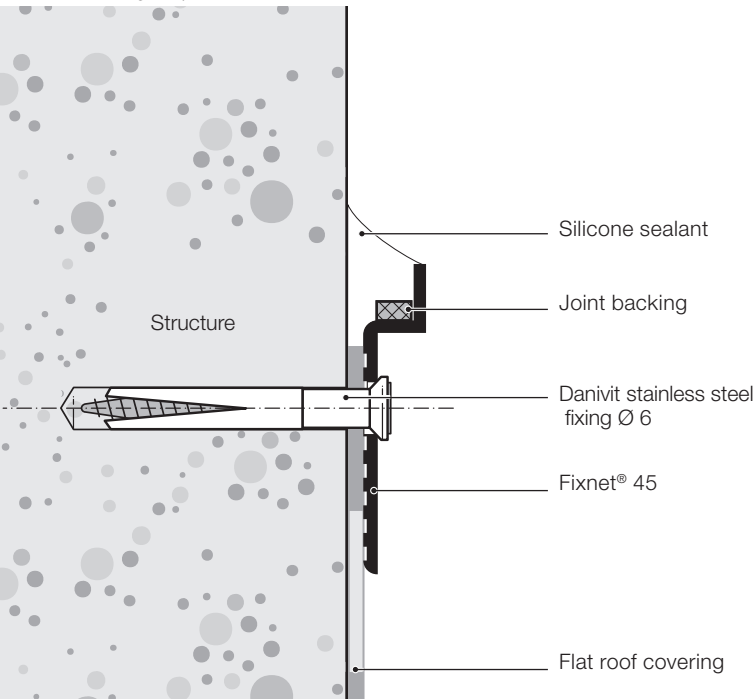
Example of use

Fixnet® 50 - For mechanical fixing
Ech. 1/1

Silicone sealant

Joint backing

Gasket at rear

Danivit stainless steel fixing Ø 6

Fixnet® 50

Solinet® 20/60

Junction sleeve

Structure

Flat roof covering

40 — 7 mm oblong holes every 300 mm — Fixnet 40

45 — 7 mm oblong holes every 300 mm — Fixnet 45

50 — 7 mm oblong holes every 300 mm — Fixnet 50
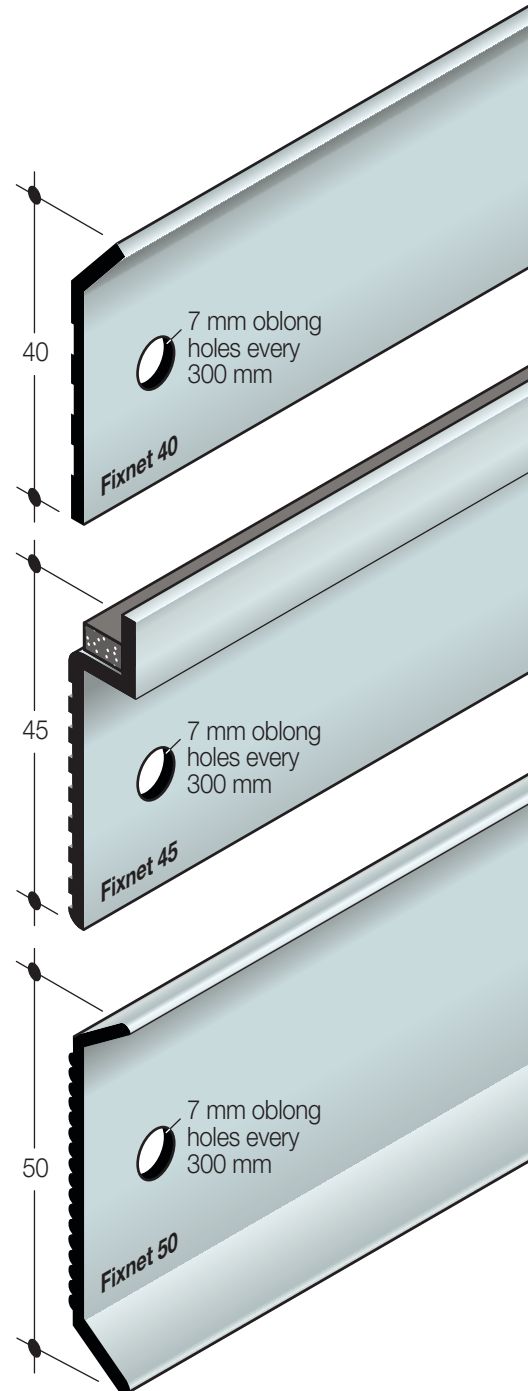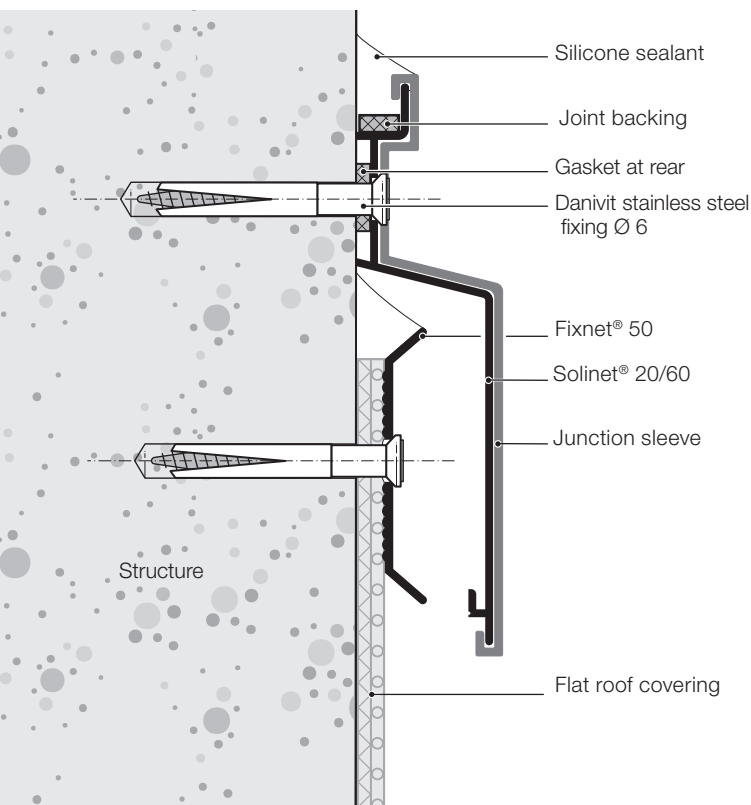
Porte-enduit

This flashing profiles enable the proper finish of frontage coatings it must be installed prior to the frontage coating.

Delivered in 3 meter lengths without accessories.

Delivered in 3 meter lengths without accessories.

Example of use
Porte Enduit
Ech. 1/1

Frontage coating

Porte-enduit

Flat roof covering

40

81

21

Porte-enduit
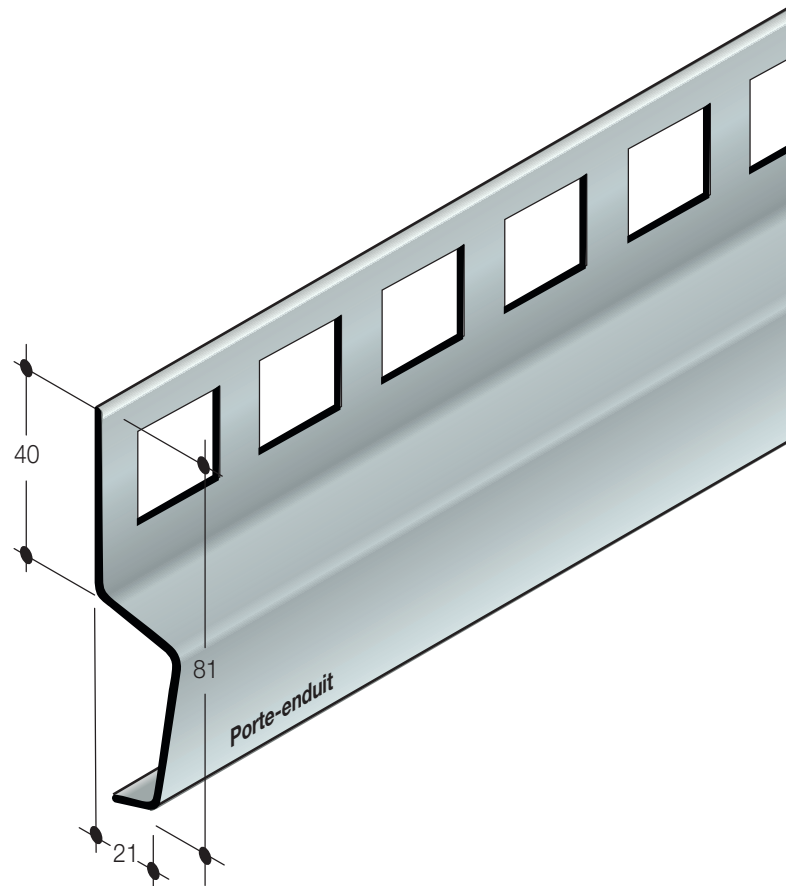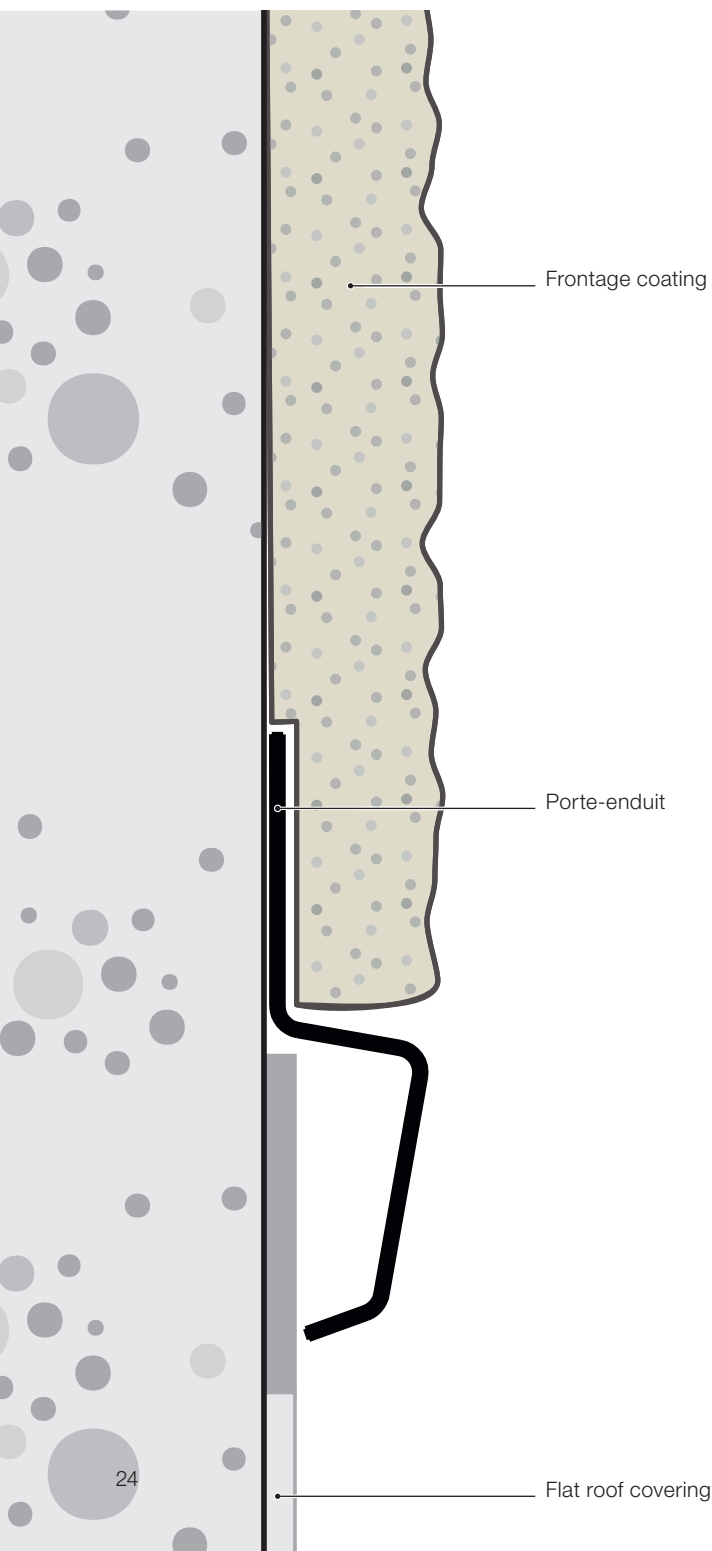
Solinet® 70

Traditional pitched roof covering

Solinet® 70 is used for the protection and making good of weatherproofing upstands in pitched roofing.
Bendable.

Example of use
Making good at side and front eaves using Solinet® on pitched roofing of bitumen strips or interlocking tiles
Ech. 1/1

Silicone sealant

Joint backing

Gasket at rear

Solinet® 70

Danivit stainless steel fixing Ø 6

Overlap strip

Structure

Pitched roof covering

Roof construction

Solinet 70

7 mm oblong holes every 300 mm

70

50

55

55

Accessories for Solinet® 70

External angle sleeve

60

60

Internal angle sleeve

50

Junction sleeve
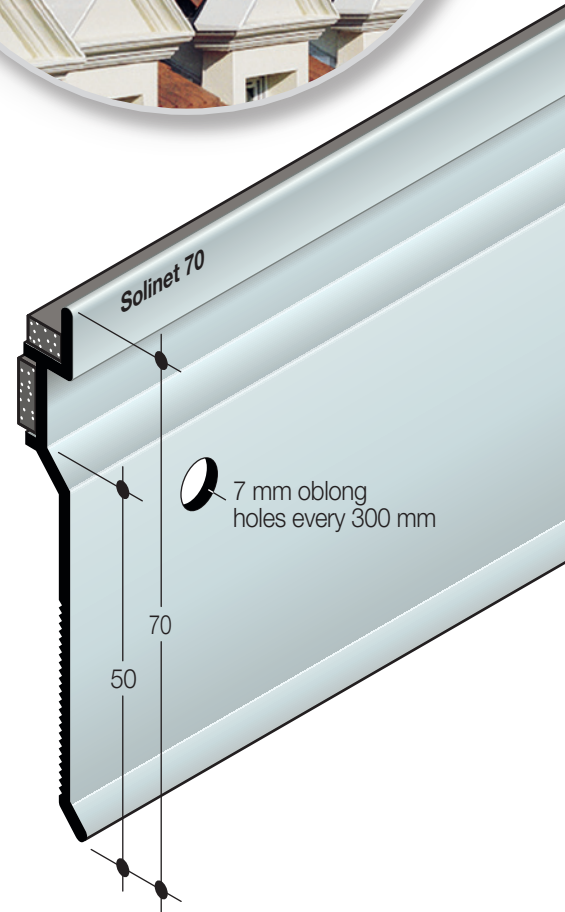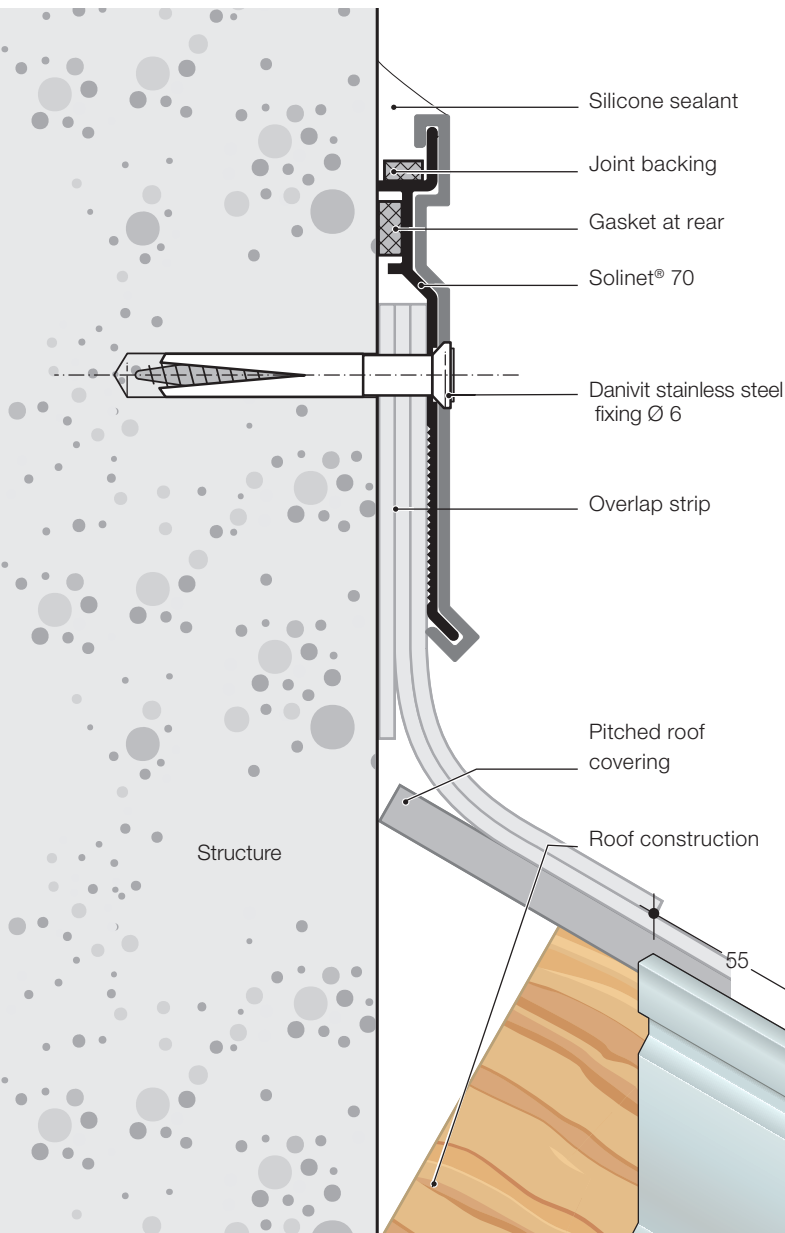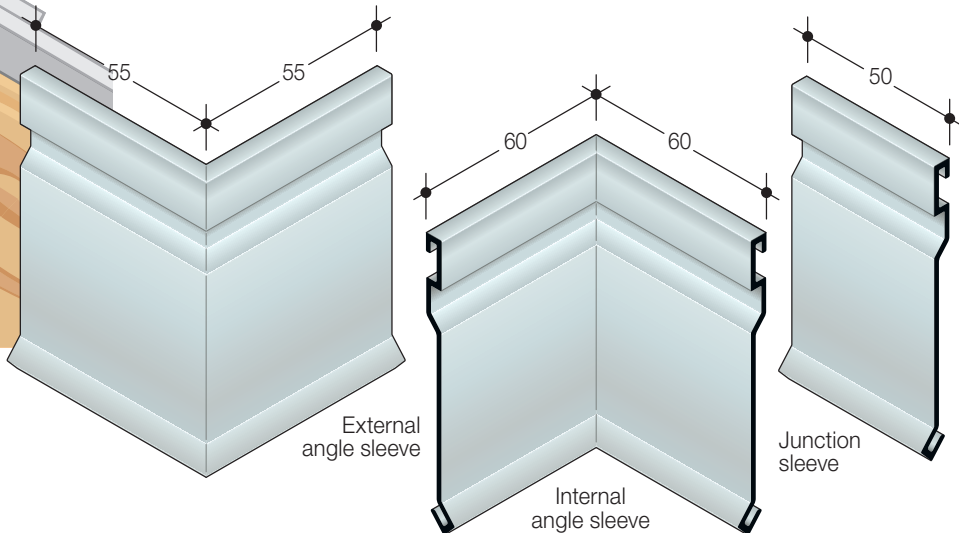
Sample specifications

Solinet® 10/110

Extruded aluminium strip flashing with square-throat and double seal at the head, as manufactured by dani alu (Tel. +33 4 78 19 81 41), or technically equivalent.
Pattern:
Solinet® 10/110 for inaccessible flat roof or technical platforms (aluminium protection recommended in a public location), green roof or garden, comprising:
— pre-drilled extruded profile;
— with a square throat;
— and provided with 2 factory-prefixed gaskets:
– a joint backing in the throat to counter the expansion of the sealant, it prevents drying out and premature cracking;
– a joint at the rear to compensate for irregularities in the masonry background, acts as a support for the joint sealant.
Overlap 110 mm – projection 10 mm.
The angle and junction accessories shall be factory-prefabricated; they shall be made as sleeves, in order to guarantee proper waterproofing of the connection. (Accessories bent on site, soffit plates or internal half-connections will not be accepted).
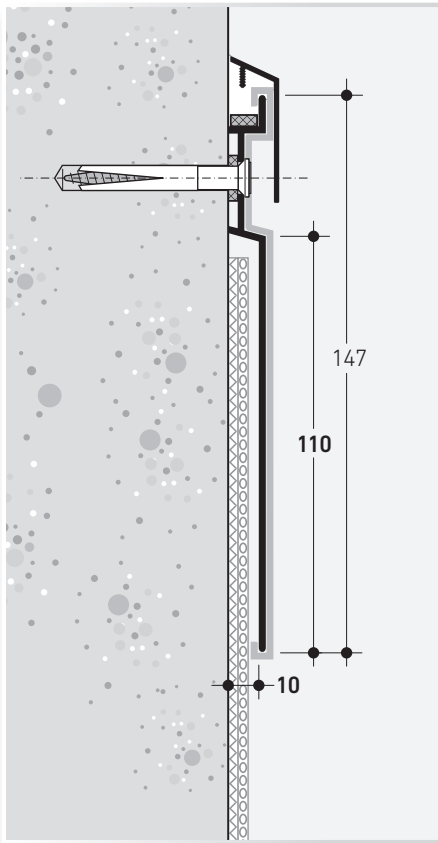Surface treatment: (select from these 2 possibilities)
Mill finish aluminium:
(non-treated aluminium. Reflective appearance, becoming matt over time)
Powder-coated aluminium in any colour:
(powder-coated aluminium in any colour from the Danilac RAL range).
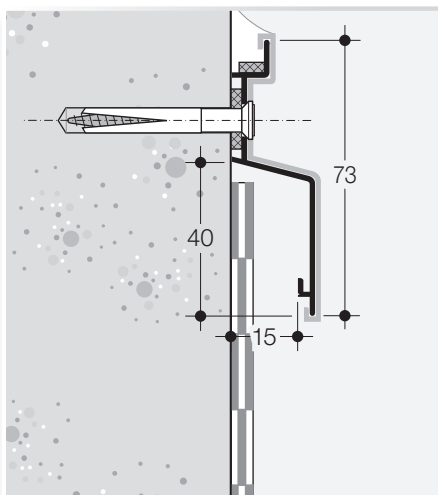
Solinet® 15/40

Inaccessible flat roof or technical platforms, accessible private location, green roof or garden
Extruded aluminium strip flashing with square-throat and double seal at the head, as manufactured by dani alu (Tel. +33 4 78 19 81 41), or technically equivalent.
Pattern:
Solinet® 15/40 for inaccessible flat roof or technical platforms, accessible private location, green roof or garden, comprising:
pre-drilled extruded profile;
— with a square throat;
— and provided with 2 factory-prefixed gaskets:
– a joint backing in the throat to counter the expansion of the sealant, it prevents drying out and premature cracking;
– a joint at the rear to compensate for irregularities in the masonry background, acts as a support for the joint sealant.
Overlap 40 mm – projection 15 mm.
The angle and junction accessories shall be factory-prefabricated; they shall be made as sleeves, in order to guarantee proper waterproofing of the connection. (Accessories bent on site, soffit plates or internal half-connections will not be accepted).
Surface treatment: (select from these 2 possibilities)
Mill finish aluminium:
(non-treated aluminium. Reflective appearance, becoming matt over time)
Powder-coated aluminium in any colour:
(powder-coated aluminium in any colour from the Danilac RAL range).

Download the typical sections and specification clauses you need for your project from **www.danialu.com**

Solinet®

☐ Purchase   ☐ Price request
(Tick the required option)
Please provide the following information.

Date: ....

Company (address /company stamp): ....
....

Contact: Mrs/Mr. ....

Phone number: ....   Fax: ....

Mobile phone: ....   Email: ....

Type of project	☐ new build	☐ refurbishment	**Site reference:**		
Project phase	☐ design	☐ contract	....		
Delivery address	....				

Pattern	Linear metres	Junc-tions	External angles	Internal angles	Pair of end pieces	Aluminium protection	Mill finish aluminium	Danilac powder coating to RAL colour
Inaccessible flat roof or technical platforms								
☐ Solinet® Contour 125	....	....	....	....			☐	☐ ....
☐ Solinet® Contour 150	....	....	....	....			☐	☐ ....
☐ Solinet® Contour 175	....	....	....	....			☐	☐ ....
☐ Solinet® Contour 200	....	....	....	....			☐	☐ ....
Private accessible flat roof (or inaccessible flat roof or technical platforms, green roof or garden)								
☐ Solinet® 10/50 (bendable)	....	....	....	....	☐	☐	☐ ....
☐ Solinet® 15/40	....	....	....	....	☐	☐	☐ ....
☐ Solinet® 15/50	....	....	....	....	☐	☐	☐ ....
☐ Solinet® 20/60	....	....	....	....	☐	☐	☐ ....
☐ Solinet® 100/100	....	....	....	....	☐	☐	☐ ....
Public accessible flat roof* (or inaccessible flat roof or technical platforms, private accessible flat roof, green roof or garden) *with aluminium protection								
☐ Solinet® 10/110 (bendable)	....	....	....	....	☐	☐	☐ ....
☐ Solinet® 20/100	....	....	....	....	☐	☐	☐ ....
☐ Solinet® 40/50	....	....	....	....	☐	☐	☐ ....
☐ Solinet® 60/50	....	....	....	....	☐	☐	☐ ....
☐ Solinet® 100/50	....	....	....	....	☐	☐	☐ ....
☐ Solinet® 160/50	....	....	....	....	☐	☐	☐ ....
☐ Solinet® 25/150	....	....	....	....	☐	☐	☐ ....
☐ Solinet® 160	....	....	....	....	☐	☐	☐ ....
☐ Solinet® 70	....	....	....	....	☐	☐	☐ ....

Solinet®

Pattern	Linear metres	Junctions	External angles	Internal angles	Pair of end pieces	Aluminium protection	Mill finish aluminium	Danilac powder coating to RAL colour
Flat roof with paving slabs on pads								
☐ Solinet® slab-support	....	....	....	....		☐	☐	☐ ....
Public works								
☐ Solinet® Special bridge and car park	....	....	....	....		☐	☐	☐ ....
Mechanical fixing of membranes								
☐ Fixnet® 40	....						☐	☐ ....
☐ Fixnet® 45	....						☐	☐ ....
☐ Fixnet® 50	....						☐	☐ ....
Porte-enduit								
☐ Porte-enduit	....						☐	☐ ....
Traditional pitched roof covering								
☐ Solinet® 70	....	....	....	....			☐	☐ ....