Technical catalogue CORE PIR

CORE PIR

STEEL SERVICE CENTRE

VSS

1.

Properties of CORE PIR sandwich panels

5. General Information

7. Application

8. Thermal insulation

8. Acoustic properties

8. Fire resistance

9. General rules of panel assembly

9. Selection and application of connectors for the assembly of sandwich panels

2.

Technical data of CORE PIR sandwich panels

12. Parameters SPW-S CORE PIR

14.Parameters SPW-H CORE PIR

16.Parameters SPW-C CORE PIR

20. Parameters SPR CORE PIR

3.

Types of profiling, coatings and colours

24. Types of profiling

26. Coatings

26. Colour range

4.

Technical details of CORE PIR sandwich panels

30. Details SPW-S CORE PIR horizontal layout

43. Details SPW-S CORE PIR vertical layout

56. Details SPW-H CORE PIR horizontal layout

71.Details SPW-H CORE PIR vertical layout

84. Details SPR CORE PIR

5.

Flashings

100. Flashings dedicated for CORE PIR sandwich panels

6.

Contact details

132. Contact

1.

Properties of CORE PIR sandwich panels

5. General Information

7. Application

8. Thermal insulation

8. Acoustic properties

8. Fire resistance

9. General rules of panel assembly

9. Selection and application of connectors for the assembly of sandwich panels

General Information

The CORE PIR sandwich panel consists of two galvanised steel sheets as the outer and inner lining of the panel and a PIR foam core, which is also the load-bearing and insulating layer. Double-sided galvanised steel sheet type S280GD or S320GD and zinc weight Z100 g/m2 for indoor use only and Z225 g/m2 or Z275 g/m2 for indoor and outdoor use. As a standard, the sheet is coated with a 25 µm polyester coating. On special request, it can be coated with HDP35 or HDX55. The sandwich panel cladding is finished with a special film, which is designed to protect sandwich panels during transport, loading and unloading and during their storage in a warehouse or on the construction site. The core of the panel is rigid polyisocyanurate foam, abbreviated colloquially called PIR foam, which is characterised by increased fire parameters increasing fire safety and excellent thermal and acoustic insulation properties significantly increasing the quality of the constructed of modernised facility. The density of the foam is 40±3 kg/m3

Application

Sandwich panels are a modern product with a very wide range of applications in today's construction industry. They are used to develop both roofs and facades of new buildings as well as modernised ones. They are also used for interior walls and ceilings, ensuring the freedom to arrange interior production, storage or office areas. Due to the excellent thermal conductivity coefficient: λ=0.022 W/mK, it is used, among others, in the construction of cold stores and freezers. Attractive colours and varied profiling allow for the design and construction of public utility facilities. This technology makes it possible develop buildings in a very short time and, in addition, due to its attractive price, allows the use of sandwich panels to be so common on today's developments.

Thermal insulation

According to the current Technical Conditions 2021, newly designed and constructed partitions should meet certain requirements. In the case of external walls, the legislator has classified this according to the temperatures provided for when using the rooms:

– for rooms > 8 °C coefficient UC=0.9 W/m2K

– for rooms between (8 and 16 °C) coefficient UC=0.45 W/m2K

– for rooms ≤ 16 °C coefficient UC=0.2 W/m2K

Acoustic properties

CORE PIR sandwich panels have a minimum insulation factor of ≥ 24 dB (-2, -4), this allows to use sandwich panels as a partition in many facilities, both industrial and public utility, thereby increasing the quality level of the facilities operated in accordance with the applicable standards in this respect.

Fire resistance

CORE PIR sandwich panels have been tested for their fire resistance by the relevant authorised testing bodies. They are NRO approved and have a very good fire resistance and reaction to fire class.

General rules of panel assembly

Before starting the installation of sandwich panels, the following should be checked:

– compatibility of the load-bearing structure of the facility with the design

– whether the surface of the transoms is in one plane

– whether the elements of the load-bearing structure have been adequately protected against corrosion

– linearity and level of the plinth

– whether there is access for delivery trucks and space for manoeuvring the hoists or other devices which will be used for the assembly

– whether tools for the installation of sandwich panels and assembly control have been selected correctly and whether auxiliary tools have been completed

– checking the authorization of workers to perform specific works in this area and whether all workers have up-to-date safety training.

Selection and application of connectors for the assembly of sandwich panels

The choice of fasteners must be in accordance with the designer's recommendations and verified for load-bearing capacity by the constructor; fasteners can be self-drilling or self-tapping but designed for the relevant material from which the load-bearing structure is made. The most common structures are reinforced concrete, steel and timber.

CORE PIR sandwich panels -
Assembly instructions in PDF format

2.

Technical data of CORE PIR sandwich panels

12. Parameters SPW-S CORE PIR

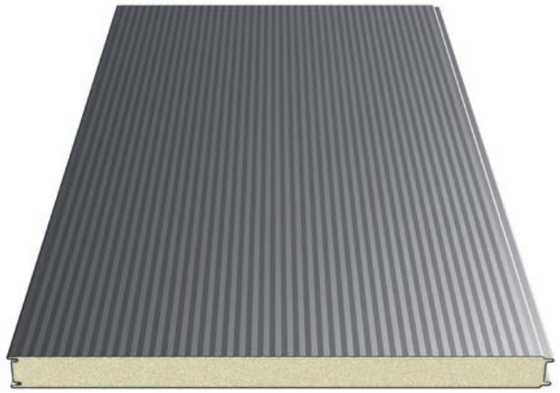
14. Parameters SPW-H CORE PIR

16. Parameters SPW-C CORE PIR

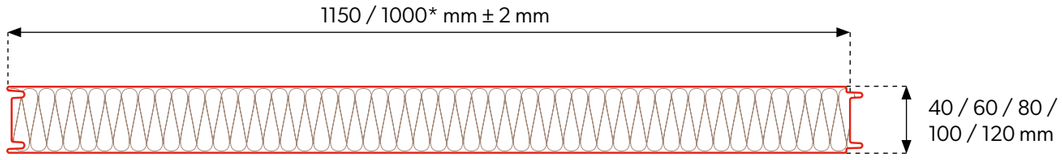
20. Parameters SPR CORE PIR

SPW-S CORE PIR

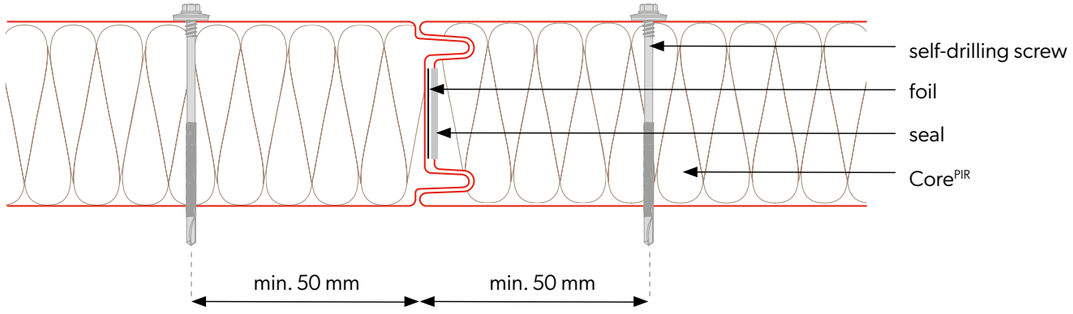
Wall panel with visible fastening



Panel cross-section



Joining the panels



Technical specifications

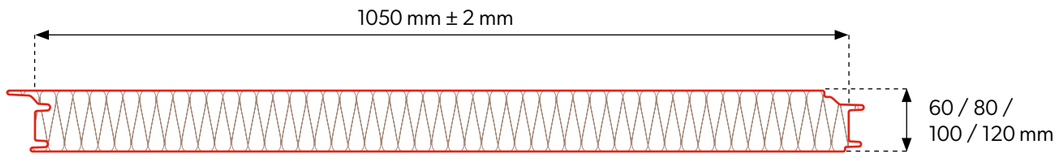
Core	**PIR**				
Density [kg/m³]	**40 ± 3**				
PIR panel thickness [mm]	**40**	**60**	**80**	**100**	**120**
Weight [kg/m²]	**8,7**	**9,5**	**10,3**	**11,1**	**11,9**
Effective width [mm]	**1150, 1000***				
Total width [mm]	**1171, 1021***				
Min. panel length [m]	**2,5**	**2,0**			
Max. panel length [m]	**15,0**				
Outer/inner sheet thickness [mm]	**0,3-0,7 / 0,3-0,7**				
U-value [W/m²K]	**0,55**	**0,37**	**0,28**	**0,22**	**0,18**
Fire spread degree	**NRO**				
Type of external / internal profiling	**[M], [T1], [R], [F] / [T1], [M], [F]**				
External / internal corrosion resistance	**C1, C2, C3 (C4 ÷ C5) / A1 (A2 ÷ A5)**				
Standard coatings	**Poliester Interior [INT], Poliester Standard [RAL], HERCULIT [HC], MULTILAYER 40 [MLT]**				
Special coatings	**PVDF, PUR, PVC (P), PVC (F) - FoodSafe**				
Accessories	**fixing system, seals, flashings, rooflight**				

! * Module availability is agreed individually with the sales department.

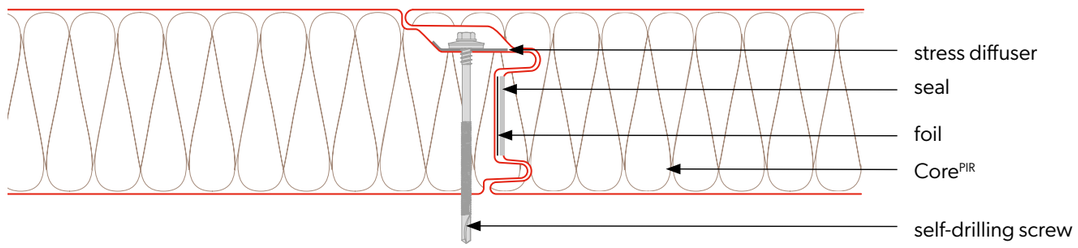
SPW-H CORE PIR

Sandwich wall panel with concealed fixing

Panel cross-section



Joining the panels

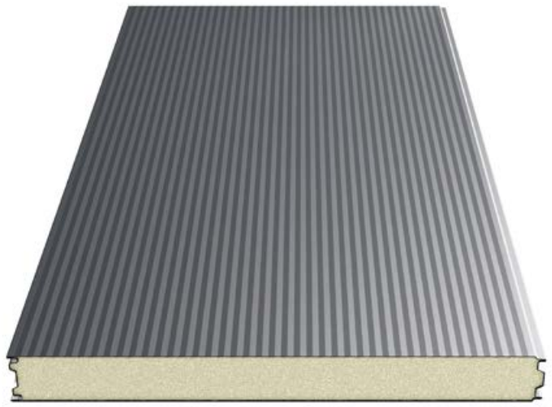


Technical specifications

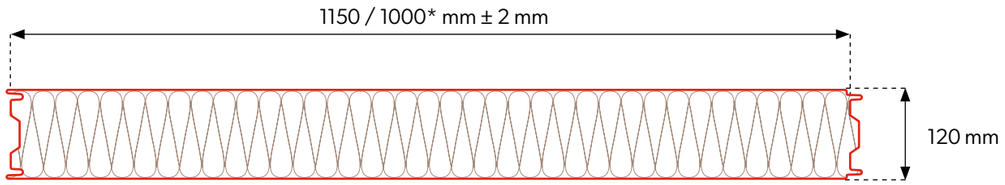
Core	**PIR**			
Density [kg/m^3]	**40 ± 3**			
PIR panel thickness [mm]	**60**	**80**	**100**	**120**
Weight [kg/m^2]	**9,5**	**10,3**	**11,1**	**11,9**
Effective width [mm]	**1050**			
Total width [mm]	**1102**			
Min. panel length [m]	**2,0**			
Max. panel length [m]	**15,0**			
Outer/inner sheet thickness [mm]	**0,3-0,7 / 0,3-0,7**			
U-value [W/m^{2}K]	**0,37**	**0,28**	**0,22**	**0,18**
Fire spread degree	**NRO**			
Type of external / internal profiling	**[M], [T1], [R], [F] / [T1], [M], [F]**			
External / internal corrosion resistance	**C1, C2, C3 (C4 ÷ C5) / A1 (A2 ÷ A5)**			
Standard coatings	**Poliester Interior [INT], Poliester Standard [RAL], HERCULIT [HC], MULTILAYER 40 [MLT]**			
Special coatings	**PVDF, PUR, PVC (P), PVC (F) - FoodSafe**			
Accessories	**fixing system, seals, flashings, rooflight**			

SPW-C CORE PIR

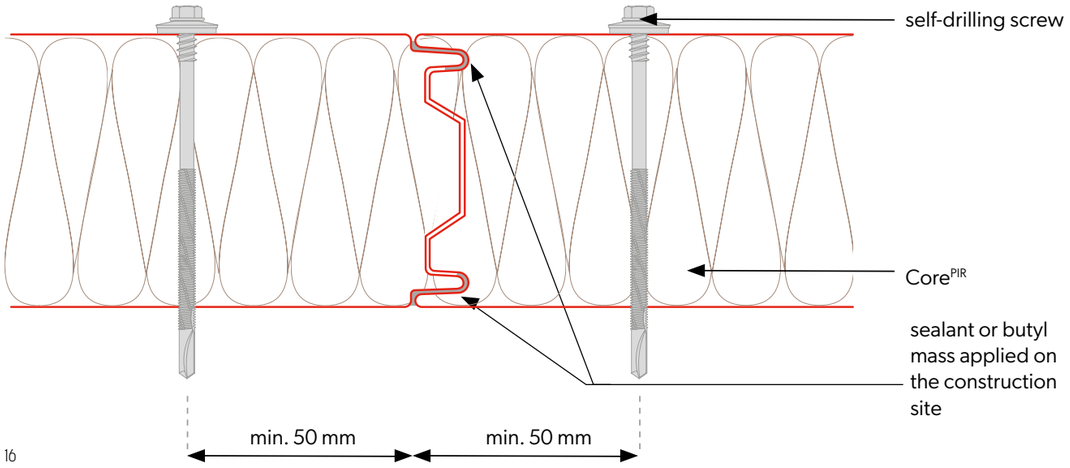
Cooling sandwich panel



Panel cross-section



Joining the panels



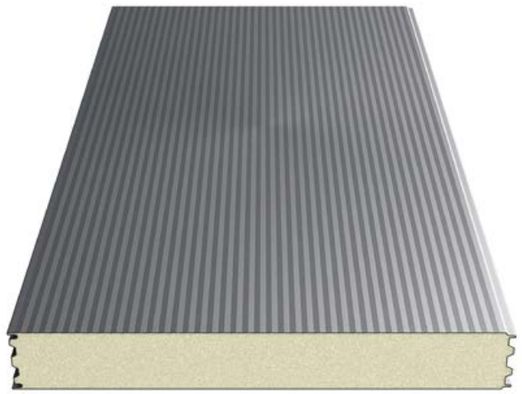
Technical specifications

Core	**PIR**
Density [kg/m^3]	**40 ± 3**
PIR panel thickness [mm]	**120**
Weight [kg/m^2]	**11,9**
Effective width [mm]	**1150, 1000***
Total width [mm]	**1171, 1021***
Min. panel length [m]	**2,0**
Max. panel length [m]	**15,0**
Outer/inner sheet thickness [mm]	**0,3-0,7 / 0,3-0,7**
U-value [W/m^{2}K]	**0,18**
Fire spread degree	**NRO**
Type of external / internal profiling	**[M], [T1], [R], [F] / [T1], [M], [F]**
External / internal corrosion resistance	**C1, C2, C3 (C4 ÷ C5) / A1 (A2 ÷ A5)**
Standard coatings	**Poliester Interior [INT], Poliester Standard [RAL], HERCULIT [HC], MULTILAYER 40 [MLT]**
Special coatings	**PVDF, PUR, PVC (P), PVC (F) - FoodSafe**
Accessories	**fixing system, seals, flashings, rooflight**

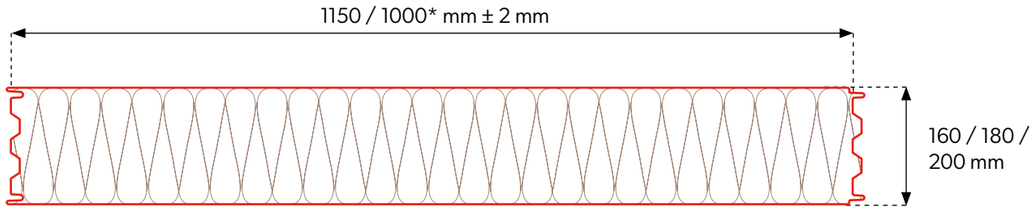
* Module availability is agreed individually with the sales department.

SPW-C CORE PIR

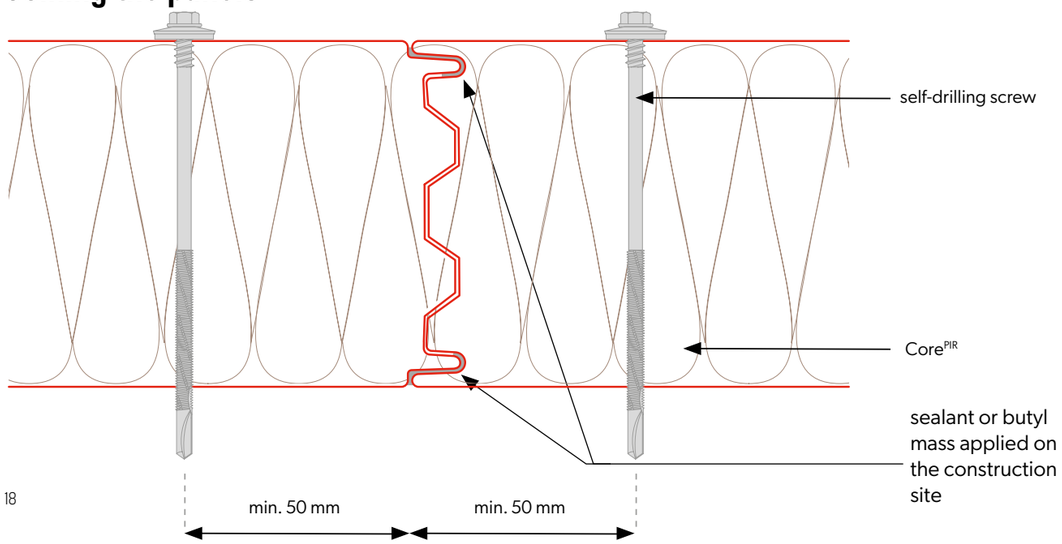
Cooling sandwich panel



Panel cross-section



Joining the panels



Technical specifications

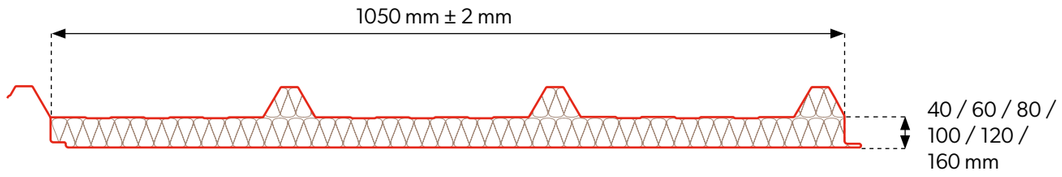
Core	**PIR**		
Density [kg/m³]	**40 ± 3**		
PIR panel thickness [mm]	**160**	**180**	**200**
Weight [kg/m²]	**13,5**	**14,3**	**15,1**
Effective width [mm]	**1150, 1000***		
Total width [mm]	**1171, 1021***		
Min. panel length [m]	**2,0**		
Max. panel length [m]	**15,0**		
Outer/inner sheet thickness [mm]	**0,3-0,7 / 0,3-0,7**		
U-value [W/m²K]	**0,14**	**0,12**	**0,11**
Fire spread degree	**NRO**		
Type of external / internal profiling	**[M], [T1], [R], [F] / [T1], [M], [F]**		
External / internal corrosion resistance	**C1, C2, C3 (C4 ÷ C5) / A1 (A2 ÷ A5)**		
Standard coatings	**Poliester Interior [INT], Poliester Standard [RAL], HERCULIT [HC], MULTILAYER 40 [MLT]**		
Special coatings	**PVDF, PUR, PVC (P), PVC (F) - FoodSafe**		
Accessories	**fixing system, seals, flashings, rooflight**		

! * Module availability is agreed individually with the sales department.

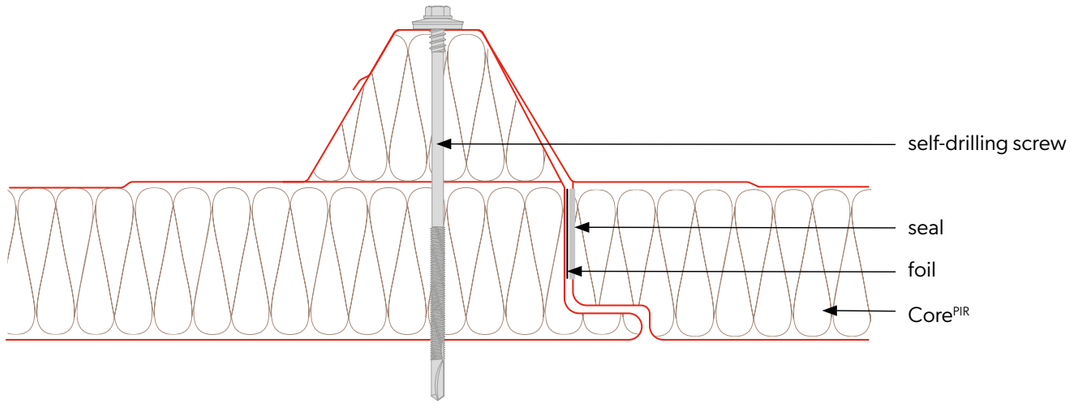
SPR CORE PIR

Roof sandwich panel

Panel cross-section



Joining the panels



Technical specifications

Core	**PIR**					
Density [kg/m³]	**40 ± 3**					
PIR panel thickness [mm]	**40**	**60**	**80**	**100**	**120**	**160**
Weight [kg/m²]	**9,6**	**10,4**	**11,2**	**12,0**	**12,8**	**14,8**
Effective width [mm]	**1050**					
Total width [mm]	**1127**					
Min. panel length [m]	**2,0**					
Max. panel length [m]	**15,0**					
Outer/inner sheet thickness [mm]	**0,3-0,7 / 0,3-0,7**					
U-value [W/m²K]	**0,55**	**0,37**	**0,28**	**0,22**	**0,18**	**0,14**
Reaction to external fire on the roof	**B_{ROOF} (t1)**					
Fire spread degree	**NRO**					
Type of external / internal profiling	**[T40] / [T1], [M], [F]**					
External / internal corrosion resistance	**C1, C2, C3 (C4 ÷ C5) / A1 (A2 ÷ A5)**					
Standard coatings	**Poliester Interior [INT], Poliester Standard [RAL], HERCULIT [HC], MULTILAYER 40 [MLT]**					
Special coatings	**PVDF, PUR, PVC (P), PVC (F) - FoodSafe**					
Accessories	**fixing system, seals, flashings, rooflight SPR-SKY**					

3.

Types of profiling, coatings and colours

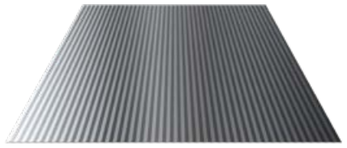
24. Types of profiling

26. Coatings

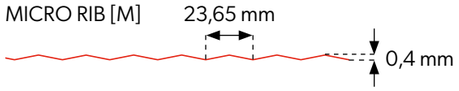
26. Colour range

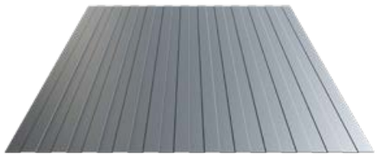
Profiling types of CORE PIR wall sandwich panels

External profiling

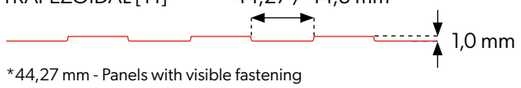


MICRO RIB [M] 23,65 mm



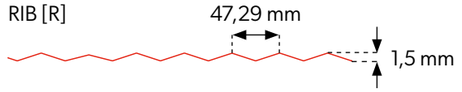


TRAPEZOIDAL [T1] *44,27 / 44,8 mm



*44,27 mm - Panels with visible fastening
44,8 mm - Panels with concealed fixing

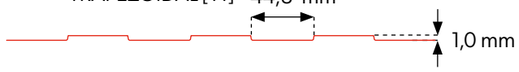
RIB [R] 47,29 mm

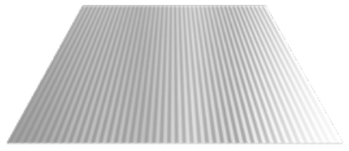


FLAT [F]

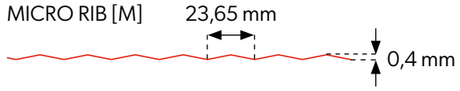
Internal profiling

TRAPEZOIDAL [T1] 44,8 mm





MICRO RIB [M] 23,65 mm



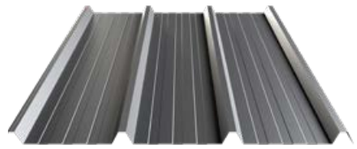
FLAT [F]

ATTENTION! Due to the structure of sandwich panels with FLAT [F] profiles, the so-called effect may occur. „waves" of the sheet metal. This is a natural phenomenon for this type of products. We recommend contacting the technical department to choose the optimal solution.

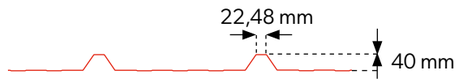
Internal and external profiling are available in any configuration.

Profiling types of CORE PIR roof sandwich panels

External profiling



TRAPEZOIDAL 40 [T40]

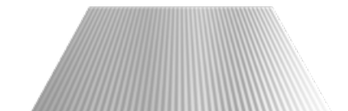


ATTENTION! Due to the structure of sandwich panels with FLAT [F] profiles, the so-called effect may occur. „waves" of the sheet metal. This is a natural phenomenon for this type of products. We recommend contacting the technical department to choose the optimal solution.

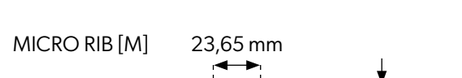
Internal and external profiling are available in any configuration.

Internal profiling

TRAPEZOIDAL [T1]



MICRO RIB [M] 23,65 mm



FLAT [F]

Coatings and colours

Due to the possibility of different environmental conditions, it becomes very important to correctly choose and apply a suitable coating for the external and internal cladding of sandwich panels. One of the criteria is the EN ISO 12944-2:2001 standard, which defines the corrosivity categories: C1, C2, C3, C4, C5-I and C5-M. The corrosivity category specified in the project is a guideline, which must be followed when choosing the appropriate coating.

POLIESTER Interior [INT] – available colours for interior cladding

INT 9002

INT 9010

POLIESTER Standard [RAL] – available colours for the external cladding

RAL 1002 · RAL 1015 · RAL 3000 [0.7] · RAL 3005 · RAL 3009 · RAL 3011 [0.7] · RAL 5010 [0.7]

RAL 6005 · RAL 6011 · RAL 6020 · RAL 6029 · RAL 7016 [0.7] · RAL 7024 [0.7] · RAL 7035 [0.7]

RAL 8004 · RAL 8017 [0.7] · RAL 8019 · RAL 9002 [0.6] [0.7] · RAL 9005 · RAL 9006 [0.6] [0.7] · RAL 9007 [0.7] · RAL 9010 [0.7]

HERCULIT [HC]

HC 3009 · HC 7016 · HC 8004 · HC 8017 · HC 9005

MULTILAYER 40 [MLT] – available colours for the external cladding

SL252 Winchester [0.5]* [0.6]

SL59 Dark Oak [0.5]* [0.6]

SL65 Golden Oak [0.5]* [0.6]

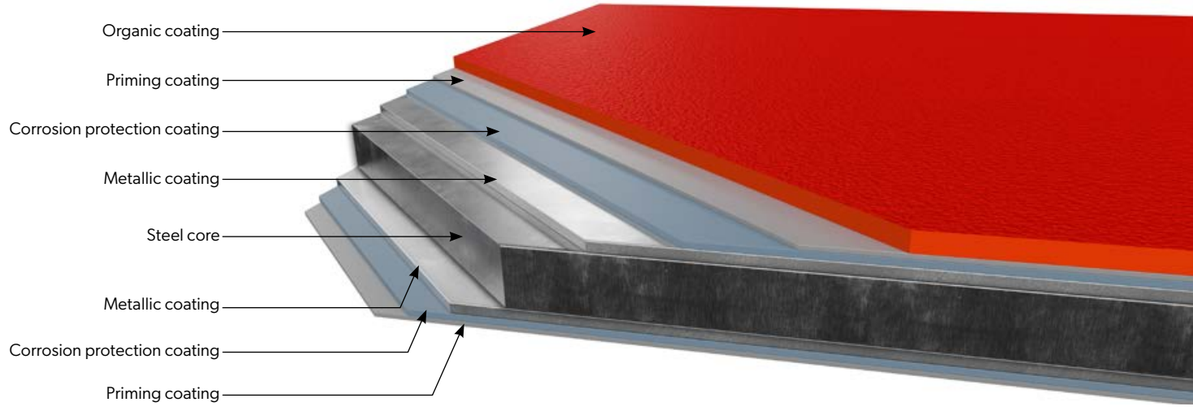
The printing technology does not allow the accurate rendering of colours, therefore the colours shown are indicative and may differ from the real ones.

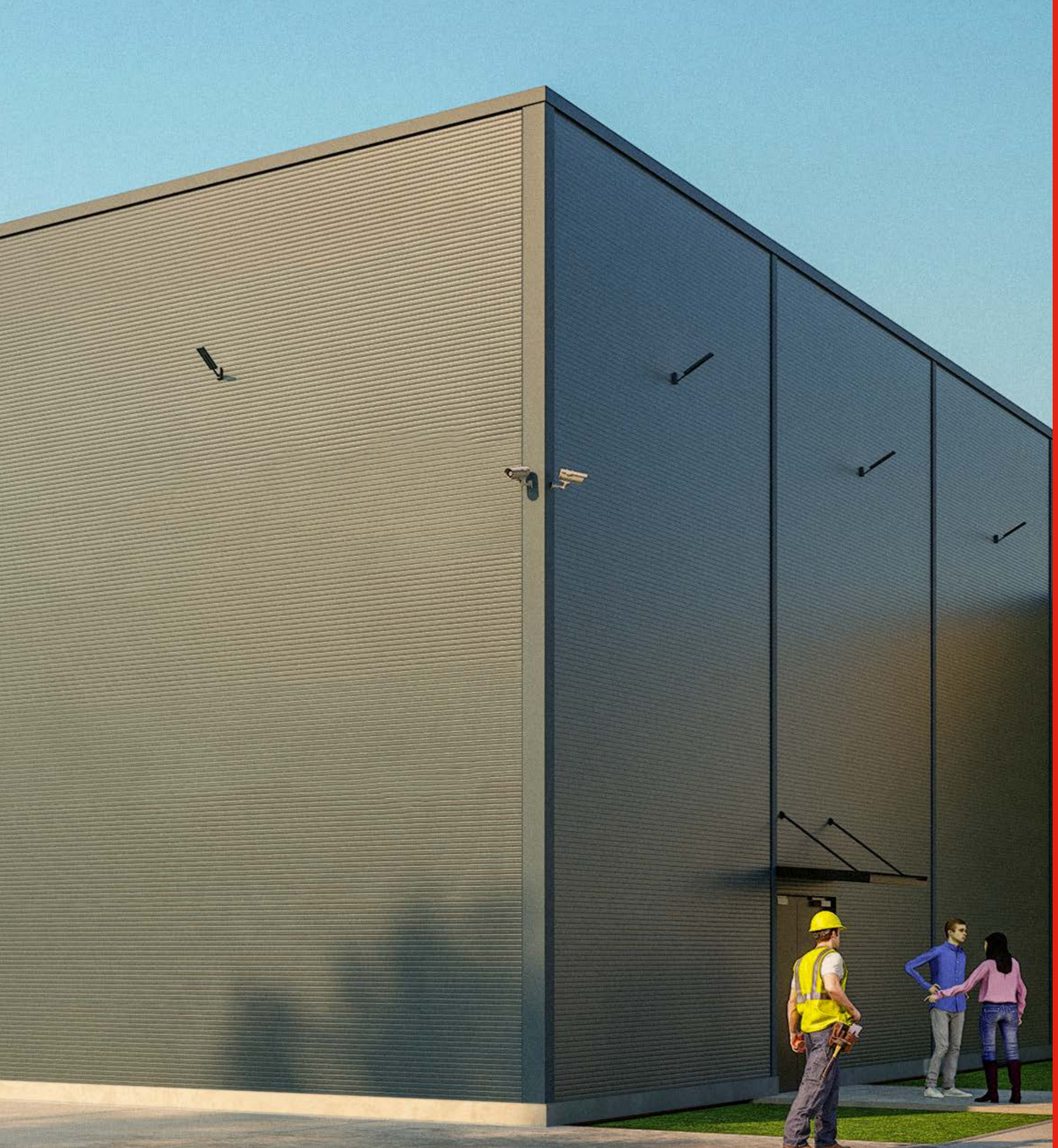
In addition, upon request, custom colours and coatings are available, outside the presented palette (PVDF, PUR, PVC (P), PVC (F)–FoodSafe.

The following overview is indicative.

Code	Coating thickness	Corrosion resistance	UV resistance
POLIESTER Interior [INT]	15 µm	RA2	not applicable
POLIESTER Standard [RAL]	25 µm	RC3	RUV2
HERCULIT [HC]	35 µm	RC4	RUV4
MULTILAYER 40 [MLT]	40 µm	RC3	RUV3

Coated sheet cross-section





4.

Technical details of CORE PIR sandwich panels

30. Details SPW-S CORE PIR horizontal layout

43. Details SPW-S CORE PIR vertical layout

56. Details SPW-H CORE PIR horizontal layout

71. Details SPW-H CORE PIR vertical layout

84. Details SPR CORE PIR

Details SPW-S CORE PIR

SPW-S CORE PIR sandwich panel – horizontal installation

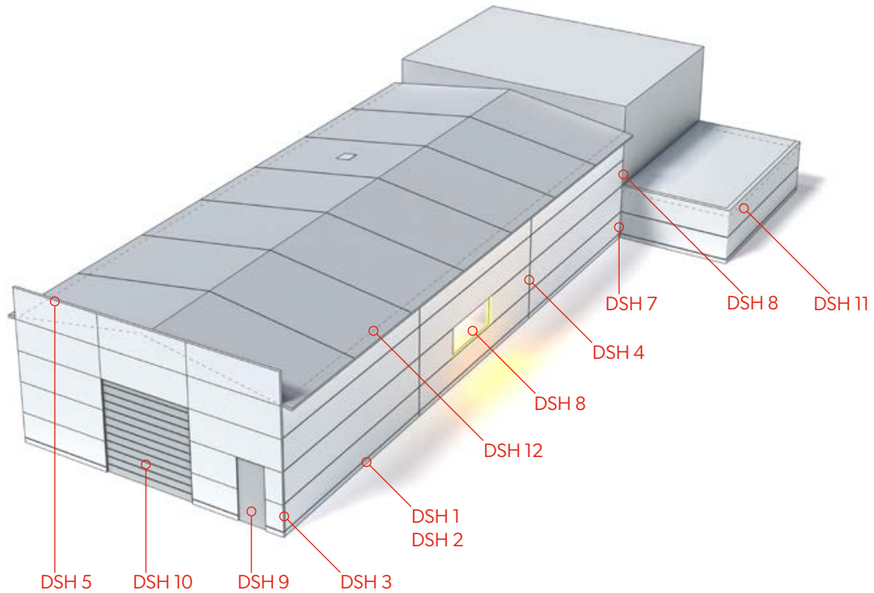


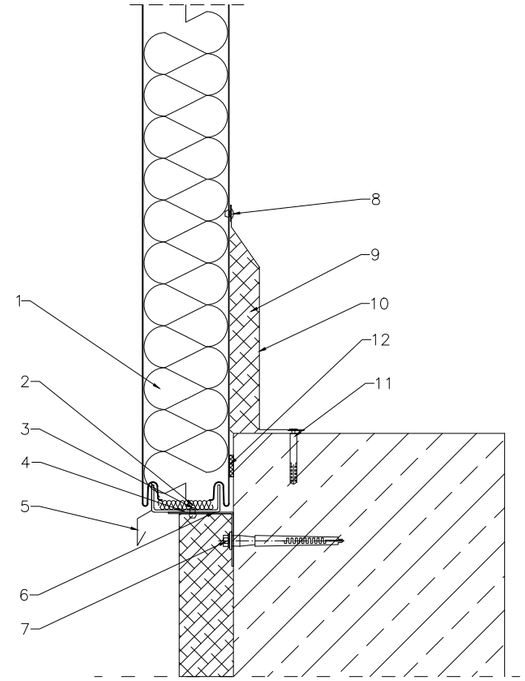
Table of details SPW-S CORE PIR horizontal installation

31. DSH 1 – detail of fixing the sandwich panel at the ground beam variant I
32. DSH 2 – detail of fixing the sandwich panel at the ground beam variant II
33. DSH 3 – detail of fixing the sandwich panel in the outer corner
34. DSH 4 – detail of fixing the sandwich panel on the fitting lengthwise
35. DSH 5 – detail of fixing the sandwich panel at the attic
36. DSH 6 – detail of fixing the sandwich panel to the wall
37. DSH 7 – detail of fixing the sandwich panel in the inner corner
38. DSH 8 – detail of fixing the sandwich panel at the window
39. DSH 9 – detail of fixing the sandwich panel at the door
40. DSH 10 – detail of fixing the sandwich panel at the ground beam
41. DSH 11 – detail of fixing the sandwich panel at the attic, inner trough
42. DSH 12 – detail of fixing the sandwich at the roof sandwich panel SPR CORE PIR

Detail of fixing the sandwich panel at the ground beam variant I,
fixing – standard connector,
panel arrangement – horizontal

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DSH 1

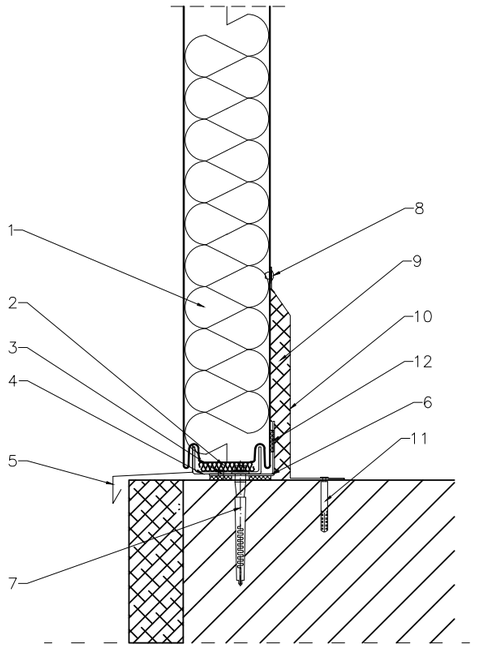


1. SPW-S CORE PIR sandwich panel
2. Thermal insulation of the runway
3. ALU/steel sealed rivet NIT01B 4,8 x 11
4. OC2 profile supporting sandwich panel
5. Flashing OB2 runway drip cap
6. Supporting profile OC1
7. Fixing anchor for support profile OC1
8. ALU/steel sealed rivet NIT01A 4,0 x 11
9. Thermal insulation of the sandwich panel joint with the ground beam
10. Flashing OB1 masking the connection of the sandwich panel with the ground beam
11. Fastening connector for flashing
12. Polyethylene tape (PES) TAS01F 4 x 20

Detail of fixing the sandwich panel at the ground beam variant II,
fixing – standard connector,
panel arrangement – horizontal

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DSH 2

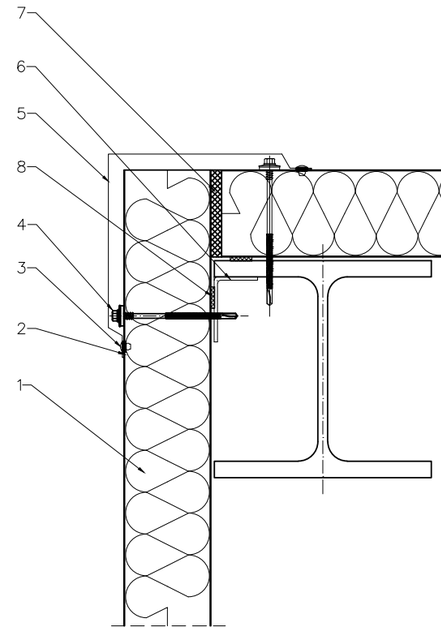


1. SPW-S CORE PIR sandwich panel
2. Thermal insulation of the runway
3. ALU/steel sealed rivet NIT01B
4. 4,8 x 11
5. OC2 profile supporting sandwich panel
6. Flashing OB3 runway drip cap
7. Supporting profile OC1
8. Fixing anchor for support profile OC1
9. ALU/steel sealed rivet NIT01A 4,0 x 11
10. Thermal insulation of the sandwich panel joint with the ground beam
11. Flashing OB1 masking the connection of the sandwich panel with the ground beam
12. Fastening connector for flashing
13. Polyethylene tape (PES) TAS01F 4 x 20

Detail of fixing the sandwich panel in the outer corner,
fixing – standard connector,
panel arrangement – horizontal

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DSH 3

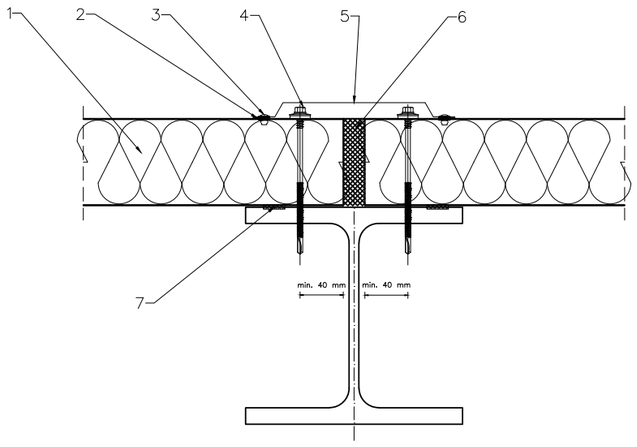


1. SPW-S CORE PIR sandwich panel
2. Polyethylene tape (PES) TAS01B 3 x 10
3. ALU/steel sealed rivet NIT01A 4,0 x 11
4. Fastener for sandwich panel assembly
5. Flashing OB4 masking the connection of sandwich panels in the corner
6. L-shaped support profile according to structural design
7. Thermal insulation at the sandwich panel joint in the corner
8. Polyethylene tape (PES) TAS01F 4 x 20

Detail of fixing the sandwich panel on the fitting lengthwise,
fixing – standard connector,
panel arrangement – horizontal

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DSH 4

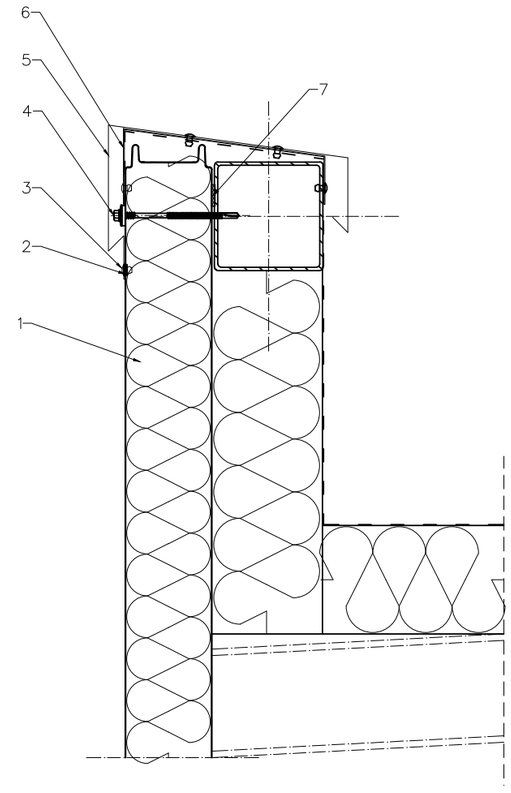


1. SPW-S CORE PIR sandwich panel
2. Polyethylene tape (PES) TAS01B 3 x 10
3. ALU/steel sealed rivet NIT01A 4,0 x 11
4. Fastener for sandwich panel assembly
5. Flashing OB5 masking the connection of sandwich panels lengthwise
6. Thermal insulation at the connection of sandwich panels
7. Polyethylene tape (PES) TAS01F 4 x 20

Detail of fixing the sandwich panel at the attic,
fixing – standard connector,
panel arrangement – horizontal

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DSH 5

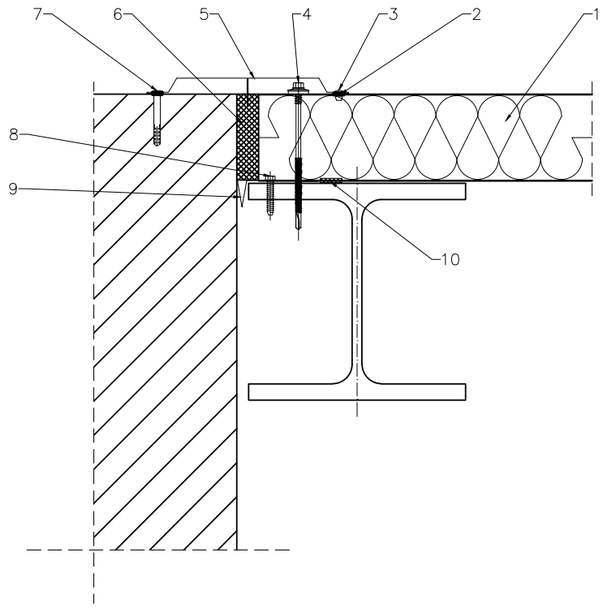


1. SPW-S CORE PIR sandwich panel
2. Polyethylene tape (PES) TAS01B 3 x 10
3. ALU/steel sealed rivet NIT01A 4,0 x 11
4. Fastener for sandwich panel assembly
5. Flashing OB6 masking the attic finish
6. Bracket OB7 of the flashing masking the attic finish, installed every approx. 1000 mm
7. Polyethylene tape (PES) TAS01F 4 x 20

Detail of fixing the sandwich panel to the wall,
fixing – standard connector,
panel arrangement – horizontal

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DSH 6

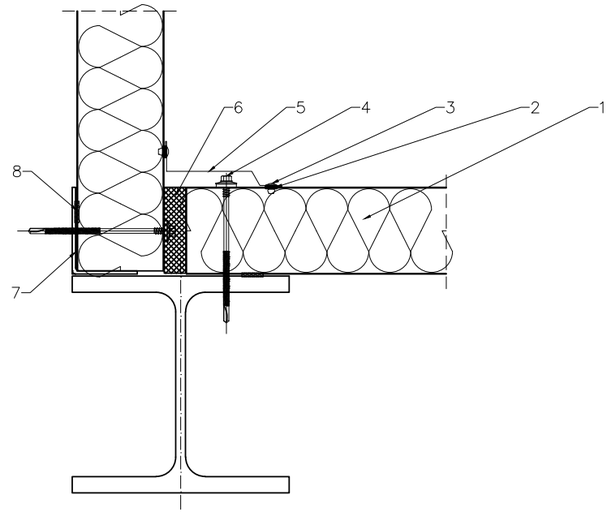


1. SPW-S CORE PIR sandwich panel
2. Polyethylene tape (PES) TAS01B 3 x 10
3. ALU/steel sealed rivet NIT01A 4,0 x 11
4. Fastener for sandwich panel assembly
5. Flashing OB8 masking the connection of the sandwich panels with the wall from the outside
6. Thermal insulation at the sandwich panel joint in the corner
7. Wall plug
8. Self-tapping screw
9. Flashing OB9 masking the connection of sandwich panels with the wall from inside
10. Polyethylene tape (PES) TAS01F 4 x 20

Detail of fixing the sandwich panel in the inner corner,
fixing – standard connector,
panel arrangement – horizontal

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DSH 7

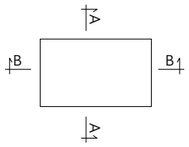


1. SPW-S CORE PIR sandwich panel
2. Polyethylene tape (PES) TAS01B 3 x 10
3. ALU/steel sealed rivet NIT01A 4,0 x 11
4. Fastener for sandwich panel assembly
5. Flashing OB10 masking the connection of the sandwich panels in the internal corner
6. Thermal insulation at the sandwich panel joint in the corner
7. Profile by steel structure
8. Polyethylene tape (PES) TAS01F 4 x 20

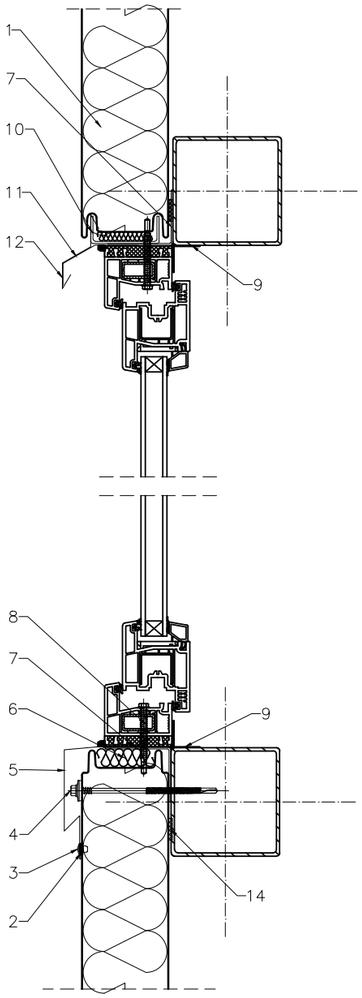
Detail of fixing the sandwich panel at the window,
fixing – standard connector,
panel arrangement – horizontal

VSS s.r.o.
Kmetova 26,
040 01 Kosice

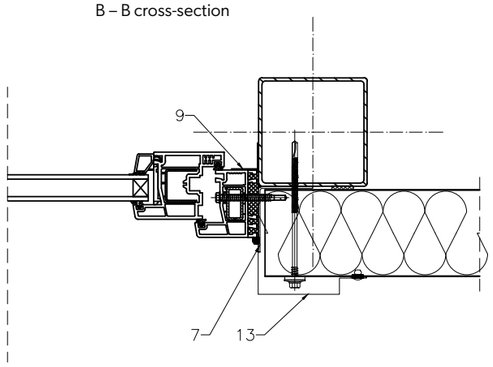
DSH 8



A – A cross-section



B – B cross-section



1. SPW-S CORE PIR sandwich panel
2. Polyethylene tape (PES) TAS01B 3 x 10
3. ALU/steel sealed rivet NIT01A 4,0 x 11
4. Fastener for sandwich panel assembly
5. Horizontal flashing OB11 masking the connection between sandwich panels and a window, sill
6. Thermal insulation at the connection between the sandwich panels and the window
7. Supporting profile OC1
8. Self-tapping screw
9. Individual solution
10. OC2 profile supporting sandwich panel
11. Flashing OB14 bottom over-window drip cap
12. Flashing OB13 over-window drip cap
13. Vertical flashing OB15 masking the connection between the sandwich panels and the window
14. Polyethylene tape (PES) TAS01F 4 x 20

n

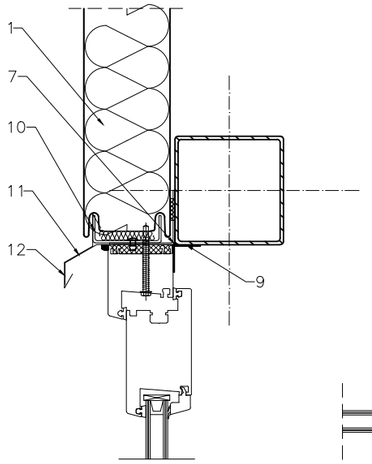
płyt warstwowych z oknem

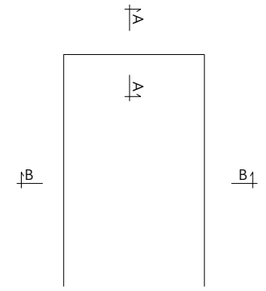
Detail of fixing the sandwich panel at the door,
fixing – standard connector,
panel arrangement – horizontal

VSS s.r.o.
Kmetova 26,
040 01 Kosice

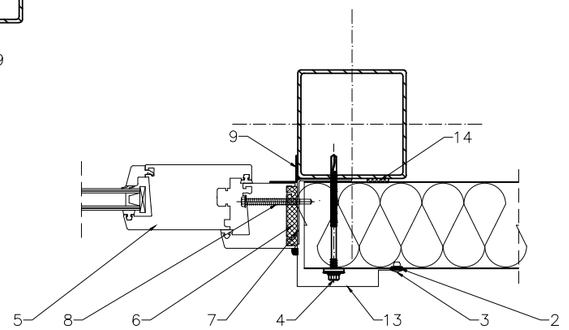
DSH 9

A – A cross-section





B – B cross-section



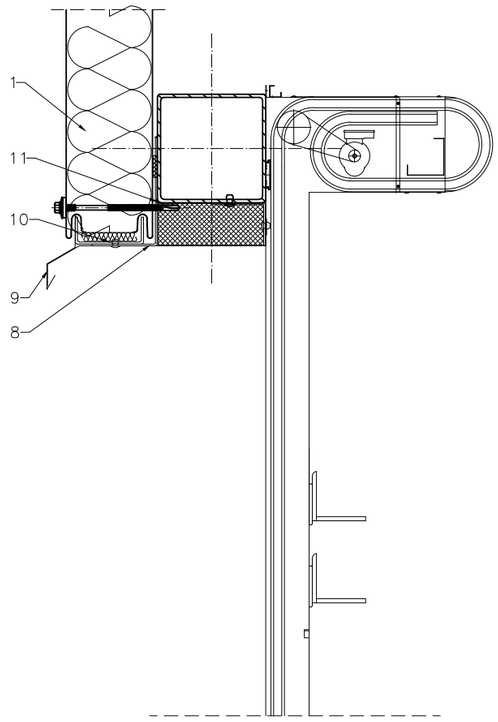
1. SPW-S CORE PIR sandwich panel
2. Polyethylene tape (PES) TAS01B 3 x 10
3. ALU/steel sealed rivet NIT01A 4,0 x 11
4. Fastener for sandwich panel assembly
5. Door profile according to construction design
6. Thermal insulation at the connection between the sandwich panels and the window
7. Supporting profile OC1
8. Self-tapping screw
9. Individual solution
10. OC2 profile supporting sandwich panel
11. Flashing OB14 bottom over-window drip cap
12. Flashing OB13 over-window drip cap
13. Vertical flashing OB15 masking the connection between the sandwich panels and the window
14. Polyethylene tape (PES) TAS01F 4 x 20

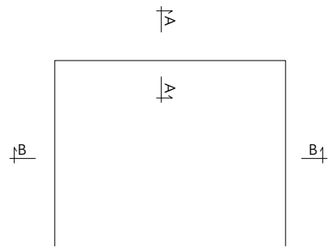
Detail of fixing the sandwich panel at the ground beam,
fixing – standard connector,
panel arrangement – horizontal

VSS s.r.o.
Kmetova 26,
040 01 Kosice

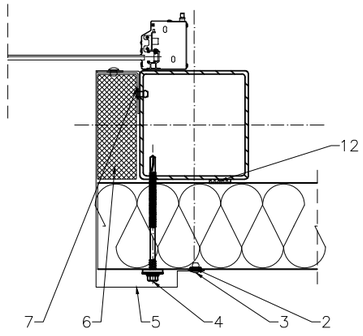
DSH 10

A – A cross-section





B – B cross-section

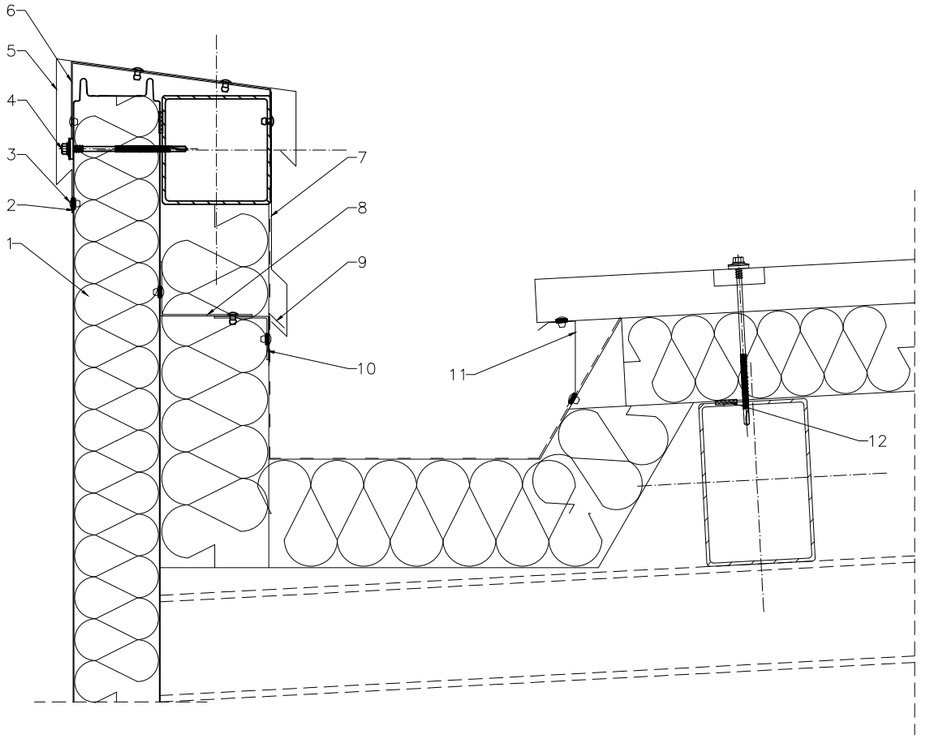


1. SPW-S CORE PIR sandwich panel
2. Polyethylene tape (PES) TAS01B 3 x 10
3. ALU/steel sealed rivet NIT01A 4,0 x 11
4. Fastener for sandwich panel assembly
5. Vertical flashing OB18 masking the connection between the sandwich panels and the door frame
6. Thermal insulation at the connection between the sandwich panels and the gate
7. Supporting profile OC4
8. Horizontal flashing OB17 masking the connection between the sandwich panels and the bottom gate
9. Horizontal flashing OB16 masking the connection between the sandwich panels and the gate
10. Profile OC4
11. Profile by steel structure
12. Polyethylene tape (PES) TAS01F 4 x 20

Detail of fixing the sandwich panel at the attic, inner trough,
fixing – standard connector,
panel arrangement – horizontal

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DSH 11

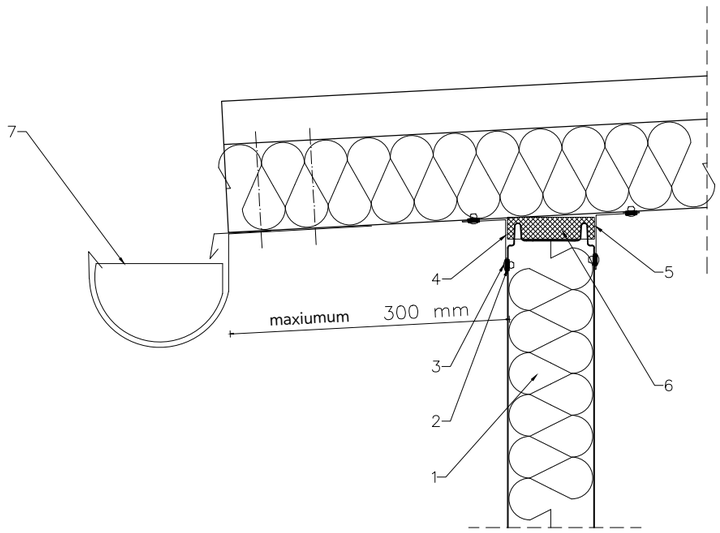


1. SPW-S CORE PIR sandwich panel
2. Polyethylene tape (PES) TAS01B 3 x 10
3. ALU/steel sealed rivet NIT01A 4,0 x 11
4. Fastener for sandwich panel assembly
5. Flashing OB6 masking the attic finish
6. Bracket OB7 of the flashing masking the attic finish, installed every approx. 1000 mm
7. Flashing OB19 masking the connection of roof waterproofing with inner attic casing
8. Profile by steel structure
9. Bracket OB20 of the flashing masking the connection of the roof waterproofing with the inner casing of the attics
10. Profile by steel structure
11. Flashing OB21 masking the connection between the roof sandwich panel and the internal gutter
12. Polyethylene tape (PES) TAS01F 4 x 20

Detail of fixing the sandwich at the roof sandwich panel SPR CORE PIR,
fixing – standard connector,
panel arrangement – horizontal

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DSH 12



1. SPW-S CORE PIR sandwich panel
2. Polyethylene tape (PES) TAS01B 3 x 10
3. ALU/steel sealed rivet NIT01A 4,0 x 11
4. Flashing OB22 masking the connection between the wall and roof sandwich panels from the outside
5. Flashing OB23 masking the connection between the wall and roof sandwich panels from the inside
6. Thermal insulation at the connection of wall and roof sandwich panels
7. Integrated gutter

Details SPW-S CORE PIR

SPW-S CORE PIR sandwich panel – vertical installation

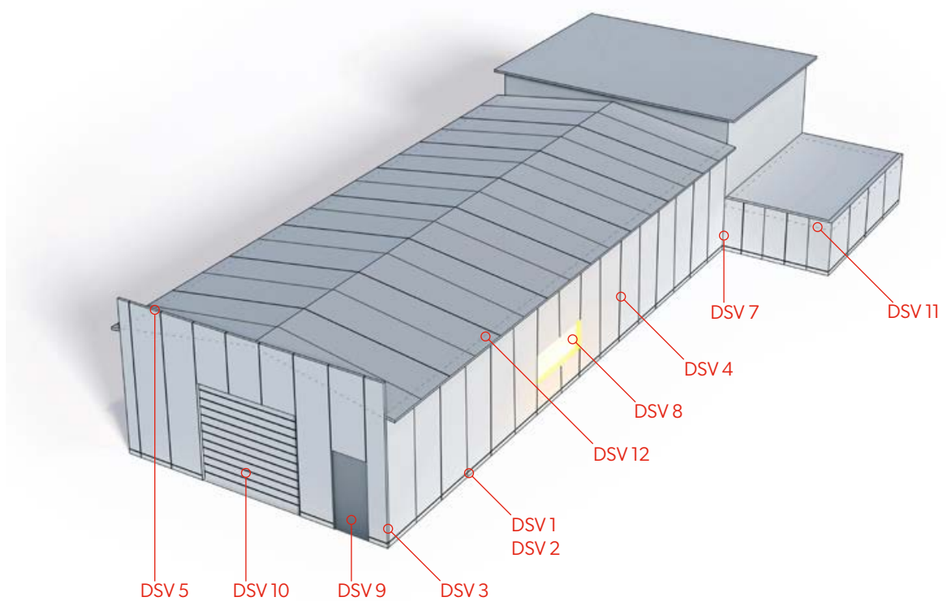


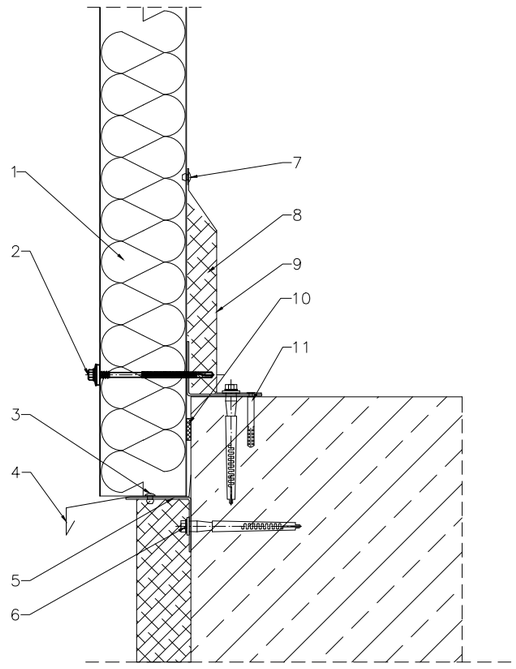
Table of details SPW-S CORE PIR vertical installation

44. DSV 1 – detail of fixing the sandwich panel at the ground beam variant I
45. DSV 2 – detail of fixing the sandwich panel at the ground beam variant II
46. DSV 3 – detail of fixing the sandwich panel in the outer corner
47. DSV 4 – detail of fixing the sandwich panel on the fitting lengthwise
48. DSV 5 – detail of fixing the sandwich panel at the attic
49. DSV 6 – detail of fixing the sandwich panel to the wall
50. DSV 7 – detail of fixing the sandwich panel in the inner corner
51. DSV 8 – detail of fixing the sandwich panel at the window
52. DSV 9 – detail of fixing the sandwich panel at the door
53. DSV 10 – detail of fixing the sandwich panel at the gate
54. DSV 11 – detail of fixing the sandwich panel at the attic, inner trough
55. DSV 12 – detail of fixing the sandwich panel at the roof sandwich panel SPR CORE PIR

Detail of fixing the sandwich panel at the ground beam variant I,
fixing – standard connector,
panel arrangement – vertical

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DSV 1

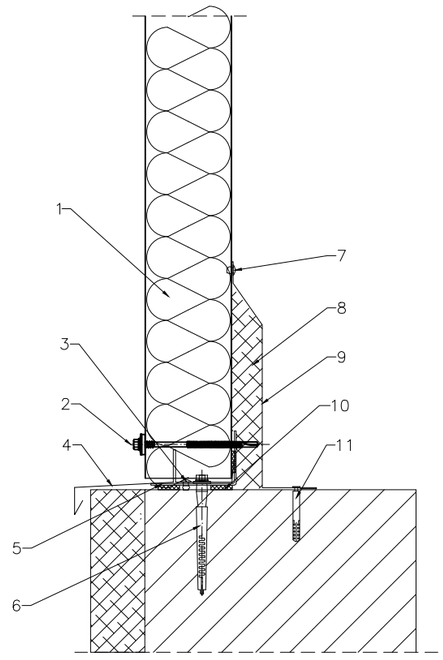


1. SPW-S CORE PIR sandwich panel
2. Self-drilling screw for sandwich panel assembly
3. ALU/steel sealed rivet NIT01B 4,8 x 11
4. Flashing OB24 runway drip cap
5. Supporting profile OC1
6. Fixing anchor for support profile OC1
7. ALU/steel sealed rivet NIT01A 4,0 x 11
8. Thermal insulation of the connection of the sandwich panel with the ground beam
9. Flashing B1 masking the connection between sandwich panel and the ground beam
10. Polyethylene tape (PES) TAS01F 4 x 20
11. Anchor fixing the flashings to the ground beam

Detail of fixing the sandwich panel at the ground beam variant II,
fixing – standard connector,
panel arrangement – vertical

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DSV 2

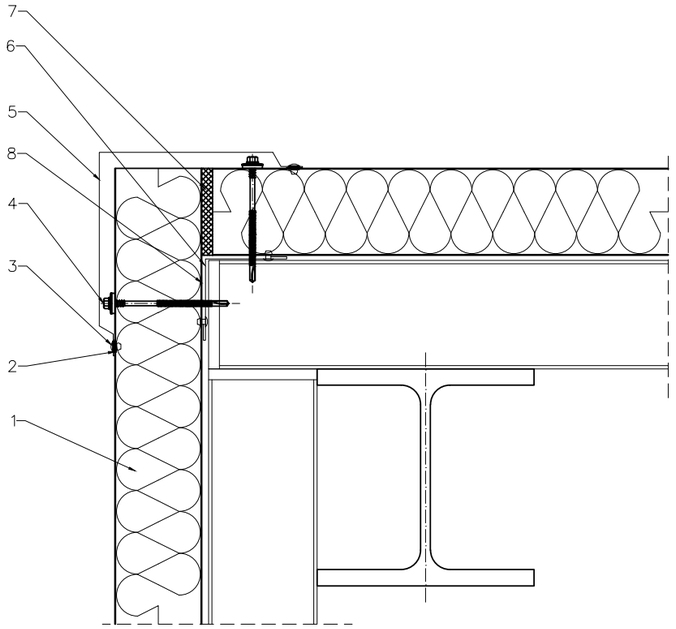


1. SPW-S CORE PIR sandwich panel
2. Self-drilling screw for sandwich panel assembly
3. ALU/steel sealed rivet NIT01B 4,8 x 11
4. Flashing OB25 runway drip cap
5. Supporting profile OC1
6. Fixing anchor for support profile OC1
7. ALU/steel sealed rivet NIT01A 4,0 x 11
8. Thermal insulation of the connection of the sandwich panel with the ground beam
9. Flashing B1 masking the connection between sandwich panel and the ground beam
10. Polyethylene tape (PES) TAS01F 4 x 20
11. Anchor fixing the flashings to the ground beam

Detail of fixing the sandwich panel in the outer corner,
fixing – standard connector,
panel arrangement – vertical

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DSV 3

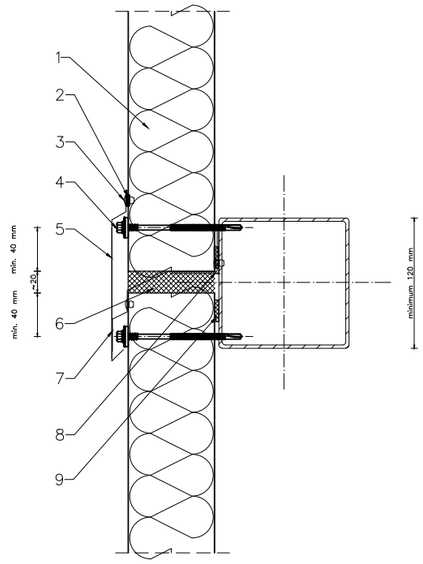


1. SPW-S CORE PIR sandwich panel
2. Polyethylene tape (PES) TAS01B 3 x 10
3. ALU/steel sealed rivet NIT01A 4,0 x 11
4. Fastener for sandwich panel assembly
5. Flashing OB4 masking the connection of sandwich panels in the corner
6. Flashing OB50 masking the connection between the sandwich panels in the outer corner from the inside
7. Thermal insulation at the sandwich panel joint in the corner

Detail of fixing the sandwich panel on the fitting lengthwise,
fixing – standard connector,
panel arrangement – vertical

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DSV 4

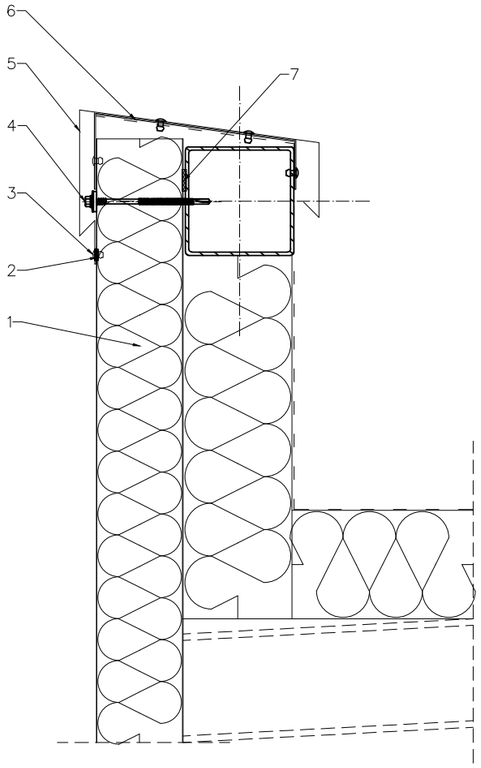


1. SPW-S CORE PIR sandwich panel
2. Polyethylene tape (PES) TAS01B 3 x 10
3. ALU/steel sealed rivet NIT01A 4,0 x 11
4. Fastener for sandwich panel assembly
5. Flashing OB26 masking the connection of sandwich panels
6. Thermal insulation at the connection of sandwich panels
7. Flashing OB27
8. L-shaped support profile according to structural design
9. Polyethylene tape (PES) TAS01F 4 x 20

Detail of fixing the sandwich panel at the attic,
fixing – standard connector,
panel arrangement – vertical

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DSV 5

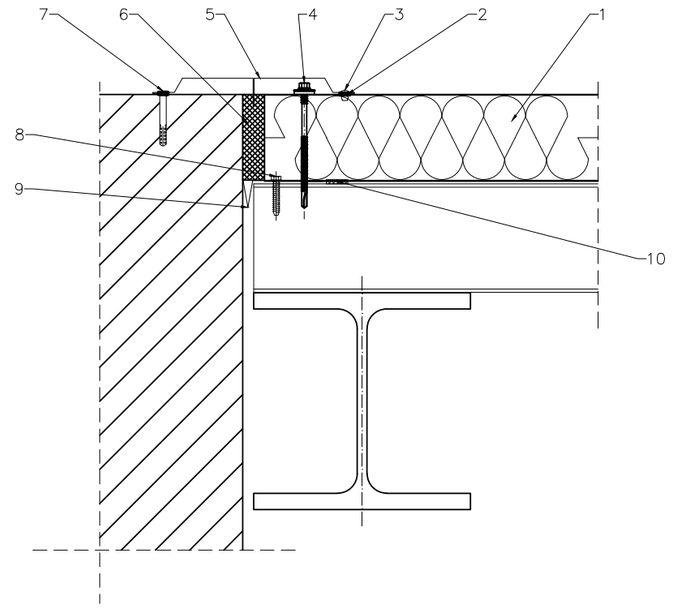


1. SPW-S CORE PIR sandwich panel
2. Polyethylene tape (PES) TAS01B 3 x 10
3. ALU/steel sealed rivet NIT01A 4,0 x 11
4. Fastener for sandwich panel assembly
5. Flashing OB6 masking the attic finish
6. Bracket OB7 of the flashing masking the attic finish, installed every approx. 1000 mm
7. Polyethylene tape (PES) TAS01F 4 x 20

Detail of fixing the sandwich panel to the wall,
fixing – standard connector,
panel arrangement – vertical

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DSV 6

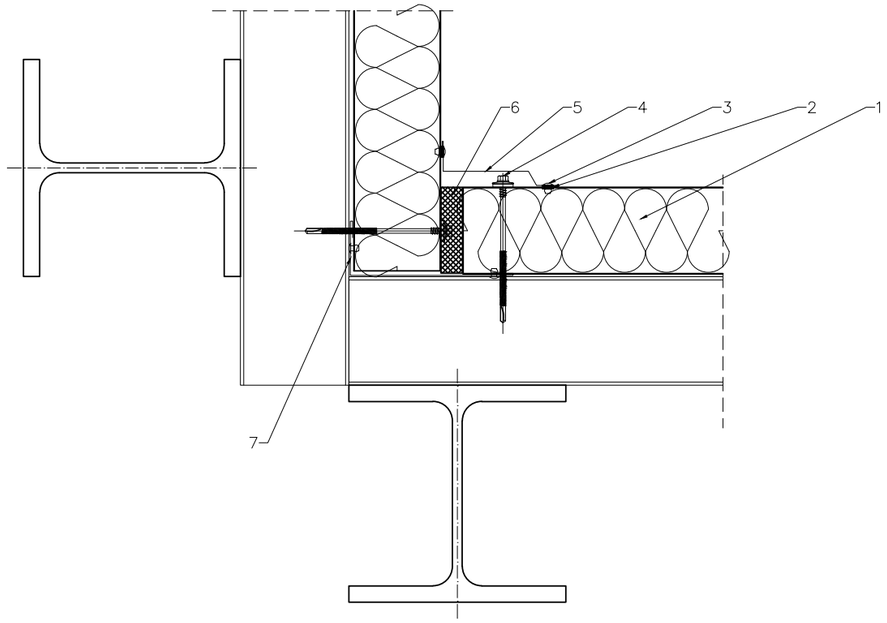


1. SPW-S CORE PIR sandwich panel
2. Polyethylene tape (PES) TAS01B 3 x 10
3. ALU/steel sealed rivet NIT01A 4,0 x 11
4. Fastener for sandwich panel assembly
5. Flashing OB8 masking the connection of the sandwich panels with the wall from the outside
6. Thermal insulation at the sandwich panel joint in the corner
7. Wall plug
8. Self-tapping screw
9. Flashing OB9 masking the connection of sandwich panels with the wall from inside
10. Polyethylene tape (PES) TAS01F 4 x 20

Detail of fixing the sandwich panel in the inner corner,
fixing – standard connector,
panel arrangement – vertical

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DSV 7



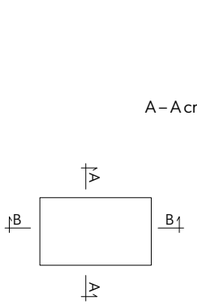
1. SPW-S CORE PIR sandwich panel
2. Polyethylene tape (PES) TAS01B 3 x 10
3. ALU/steel sealed rivet NIT01A 4,0 x 11
4. Fastener for sandwich panel assembly
5. Flashing OB10 masking the connection of the sandwich panels in the internal corner
6. Thermal insulation at the sandwich panel joint in the corner
7. Flashing OB51 masking the connection between the sandwich panels in the inner corner from the inside

Detail of fixing the sandwich panel at the window,
fixing – standard connector,
panel arrangement – vertical

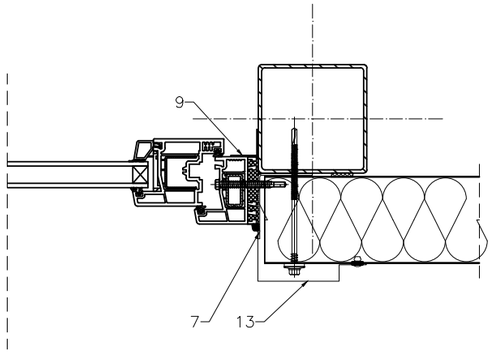
VSS s.r.o.
Kmetova 26,
040 01 Kosice

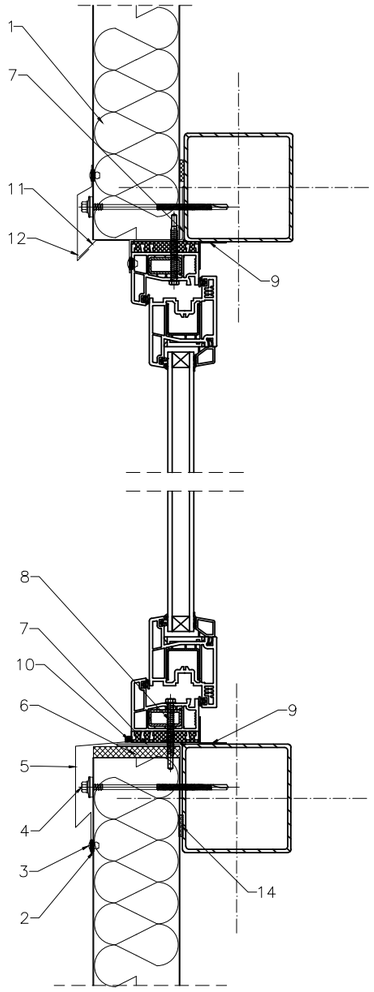
DSV 8

A – A cross-section



B – B cross-section





1. SPW-S CORE PIR sandwich panel
2. Polyethylene tape (PES) TAS01B 3 x 10
3. ALU/steel sealed rivet NIT01A 4,0 x 11
4. Fastener for sandwich panel assembly
5. Horizontal flashing OB11 masking the connection between sandwich panels and a window, sill
6. Thermal insulation at the connection between the sandwich panels and the window
7. Supporting profile OC1
8. Self-tapping screw
9. Flashing OB12 masking the connection between the sandwich panels and the window on the inside
10. Permanently elastic mass
11. Flashing OB28 bottom drip cap
12. Flashing OB29 upper drip cap
13. Vertical flashing OB15 masking the connection between the sandwich panels and the window
14. Polyethylene tape (PES) TAS01F 4 x 20

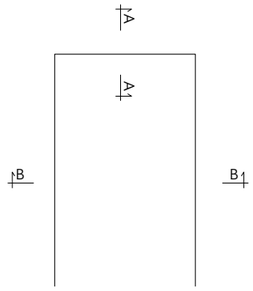
twowych

płyt warstwowych z oknem

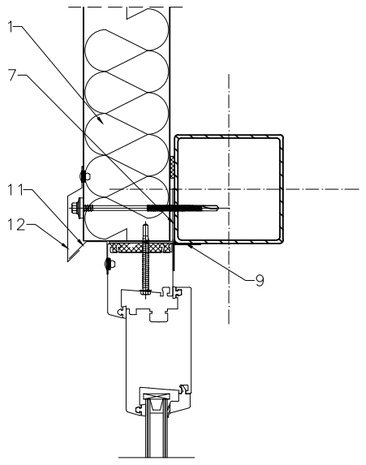
Detail of fixing the sandwich panel at the door,
fixing – standard connector,
panel arrangement – vertical

VSS s.r.o.
Kmetova 26,
040 01 Kosice

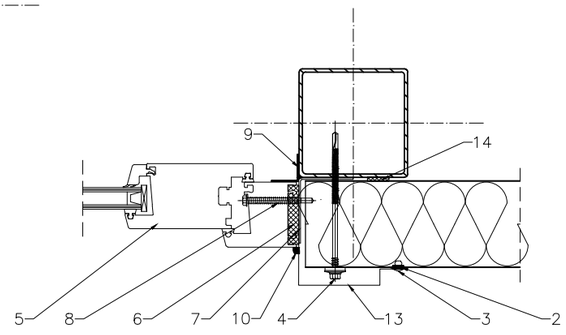
DSV 9



A – A cross-section



B – B cross-section

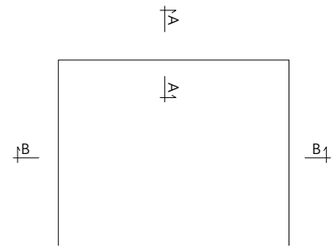


1. SPW-S CORE PIR sandwich panel
2. Polyethylene tape (PES) TAS01B 3 x 10
3. ALU/steel sealed rivet NIT01A 4,0 x 11
4. Fastener for sandwich panel assembly
5. Door profile according to construction design
6. Thermal insulation at the connection between the sandwich panels and the window
7. Supporting profile OC1
8. Self-tapping screw
9. Individual solution
10. Permanently elastic mass
11. Flashing OB28 bottom drip cap
12. Flashing OB29 upper drip cap
13. Vertical flashing OB15 masking the connection between the sandwich panels and the window
14. Polyethylene tape (PES) TAS01F 4 x 20

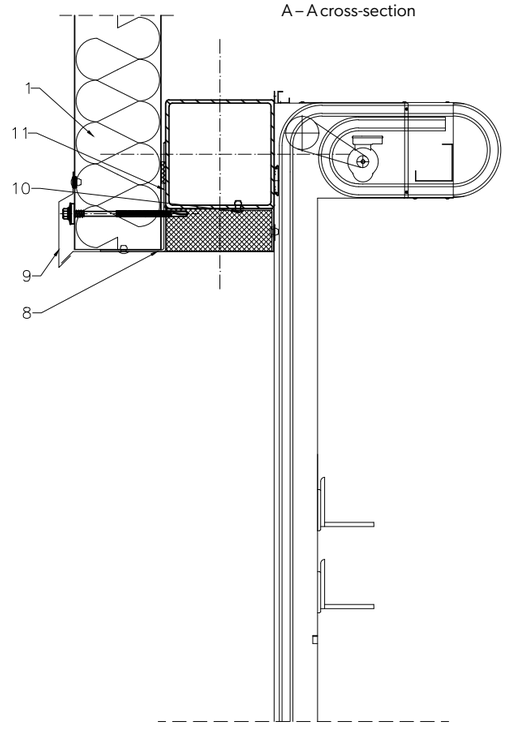
Detail of fixing the sandwich panel at the gate,
fixing – standard connector,
panel arrangement – vertical

VSS s.r.o.
Kmetova 26,
040 01 Kosice

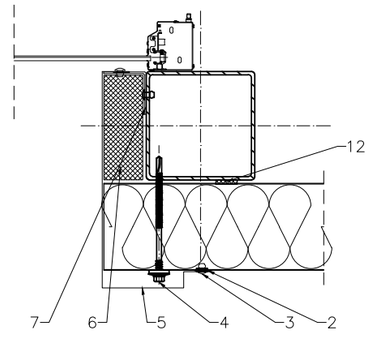
DSV 10



A – A cross-section



B – B cross-section

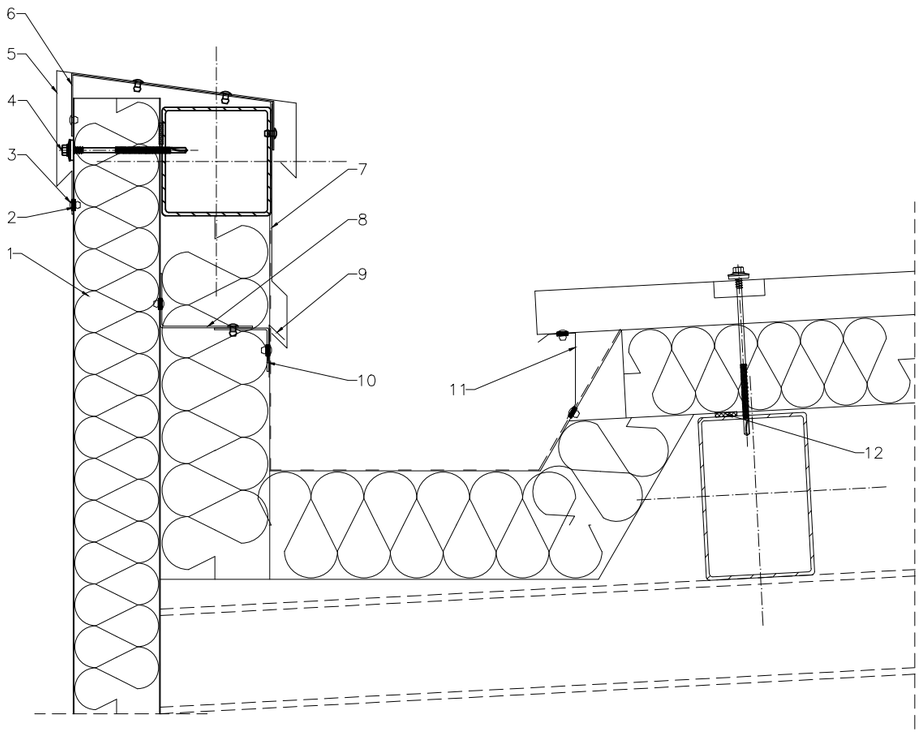


1. SPW-S CORE PIR sandwich panel
2. Polyethylene tape (PES) TAS01B 3 x 10
3. ALU/steel sealed rivet NIT01A 4,0 x 11
4. Fastener for sandwich panel assembly
5. Vertical flashing OB18 masking the connection between the sandwich panels and the door frame
6. Thermal insulation at the connection between the sandwich panels and the window
7. Supporting profile OC1
8. Horizontal flashing OB17 bottom drip cap
9. Horizontal flashing OB29 upper drip cap
10. Rivet 4,8 x 11
11. Profile by steel structure
12. Polyethylene tape (PES) TAS01F 4 x 20

Detail of fixing the sandwich panel at the attic, inner trough,
fixing – standard connector,
panel arrangement – vertical

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DSV 11

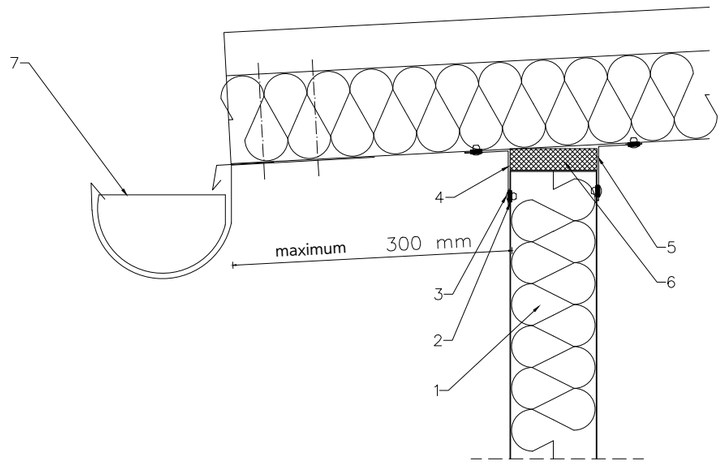


1. SPW-S CORE PIR sandwich panel
2. Polyethylene tape (PES) TAS01B 3 x 10
3. ALU/steel sealed rivet NIT01A 4,0 x 11
4. Fastener for sandwich panel assembly
5. Flashing OB6 masking the attic finish
6. Bracket OB7 of the flashing masking the attic finish, installed every approx. 1000 mm
7. Flashing OB19 masking the connection of roof waterproofing with inner attic casing
8. Profile by steel structure
9. Bracket OB20 of the flashing masking the connection of the roof waterproofing with the inner casing of the attic
10. Profile by steel structure
11. Flashing OB21 masking the connection between the roof sandwich panel and the inner gutter
12. Polyethylene tape (PES) TAS01F 4 x 20

Detail of fixing the sandwich panel at the roof sandwich panel SPR CORE PIR,
fixing – standard connector,
panel arrangement – vertical

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DSV 12



1. SPW-S CORE PIR sandwich panel
2. Polyethylene tape (PES) TAS01B 3 x 10
3. ALU/steel sealed rivet NIT01A 4,0 x 11
4. Flashing OB22 masking the connection between the wall and roof sandwich panels from the outside
5. Flashing OB23 masking the connection between the wall and roof sandwich panels from the inside
6. Thermal insulation at the connection of wall and roof sandwich panels
7. Integrated gutter

Details SPW-H CORE PIR

SPW-H CORE PIR sandwich panel – horizontal installation

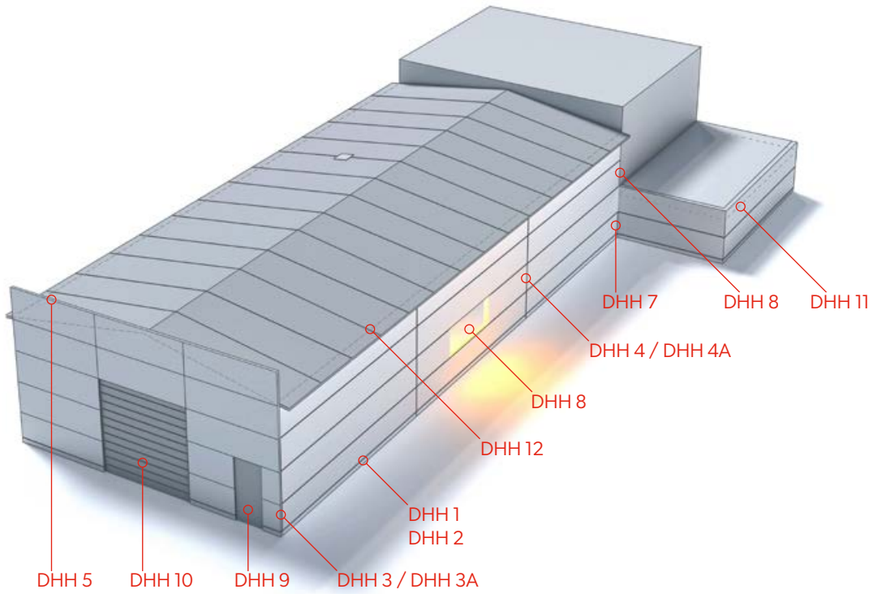


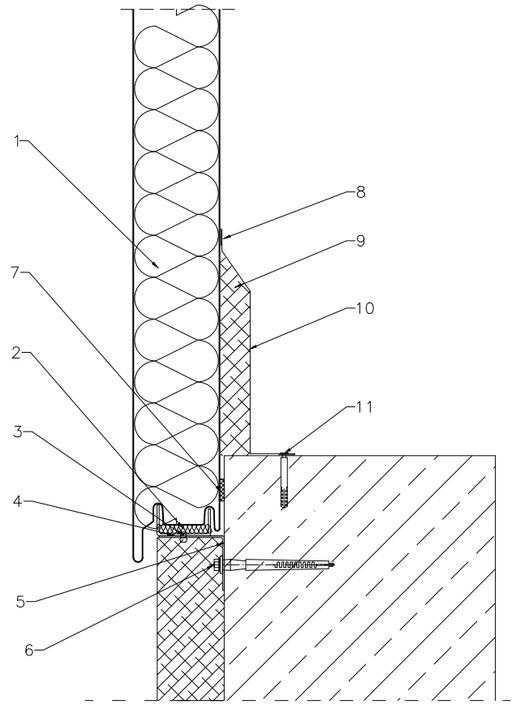
Table of details SPW-H CORE PIR horizontal layout

57. DHH 1 – detail of fixing the sandwich panel at the ground beam variant I
58. DHH 2 – detail of fixing the sandwich panel at the ground beam variant II
59. DHH 3 / DHH 3A – detail of fixing the sandwich panel in the outer corner
61. DHH 4 / DHH 4A – detail of fixing the sandwich panel on lengthwise connection
63. DHH 5 – detail of fixing the sandwich panel at the attic
64. DHH 6 – detail of fixing the sandwich panel to the wall
65. DHH 7 – detail of fixing the sandwich panel in the inner corner
66. DHH 8 – detail of fixing the sandwich panel at the window
67. DHH 9 – detail of fixing the sandwich panel at the door
68. DHH 10 – detail of fixing the sandwich panel at the gate
69. DHH 11 – detail of fixing the sandwich panel at the attic, inner trough
70. DHH 12 – detail of fixing the sandwich panel at the roof sandwich panel SPR CORE PIR

Detail of fixing the sandwich panel at the ground beam variant I,
fixing – hidden connector,
panel arrangement – horizontal

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DHH 1

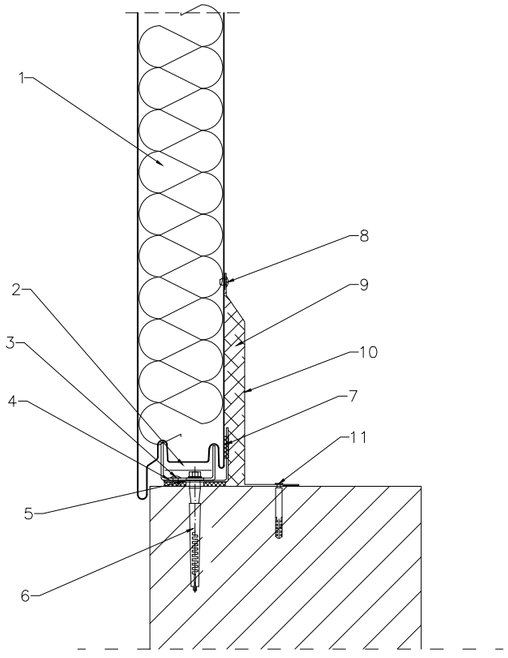


1. SPW-H CORE PIR sandwich panel
2. Thermal insulation of the runway
3. ALU/steel sealed rivet NIT01B 4,8 x 11
4. OC3 profile supporting sandwich panel
5. Supporting profile OC1
6. Fixing anchor for support profile OC1
7. Polyethylene tape (PES) TAS01F 4 x 20
8. ALU/steel sealed rivet NIT01A 4,0 x 11
9. Thermal insulation of the connection of the sandwich panel with the ground beam
10. Flashing B1 masking the connection between sandwich panel and the ground beam
11. Thermal insulation of the runway

Detail of fixing the sandwich panel at the ground beam variant,
fixing – hidden connector,
panel arrangement – horizontal

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DHH 2

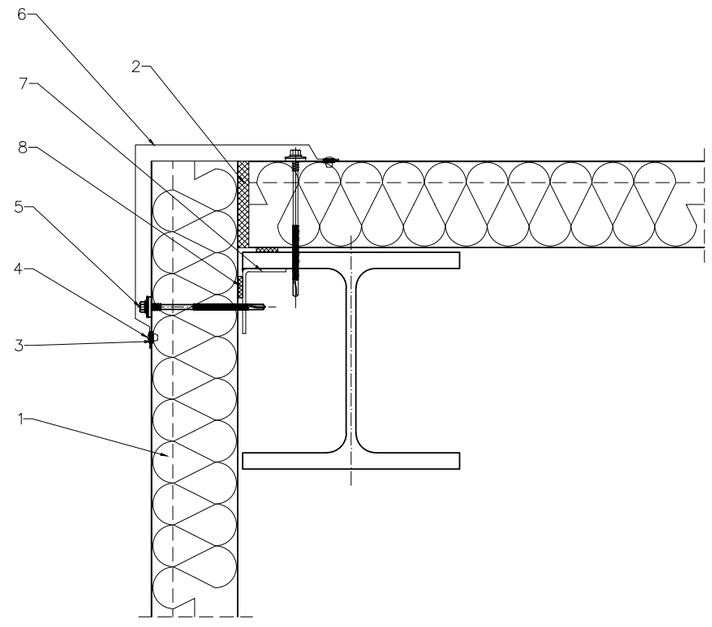


1. SPW-H CORE PIR sandwich panel
2. Thermal insulation of the runway
3. ALU/steel sealed rivet NIT01B 4,8 x 11
4. OC3 profile supporting sandwich panel
5. Supporting profile OC1
6. Fixing anchor for support profile OC1
7. Polyethylene tape (PES) TAS01F 4 x 20
8. ALU/steel sealed rivet NIT01A 4,0 x 11
9. Thermal insulation of the connection of the sandwich panel with the ground beam
10. Flashing B1 masking the connection between sandwich panel and the ground beam
11. Thermal insulation of the runway

Detail of fixing the sandwich panel in the outer corner,
fixing – hidden connector,
panel arrangement – horizontal

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DHH 3

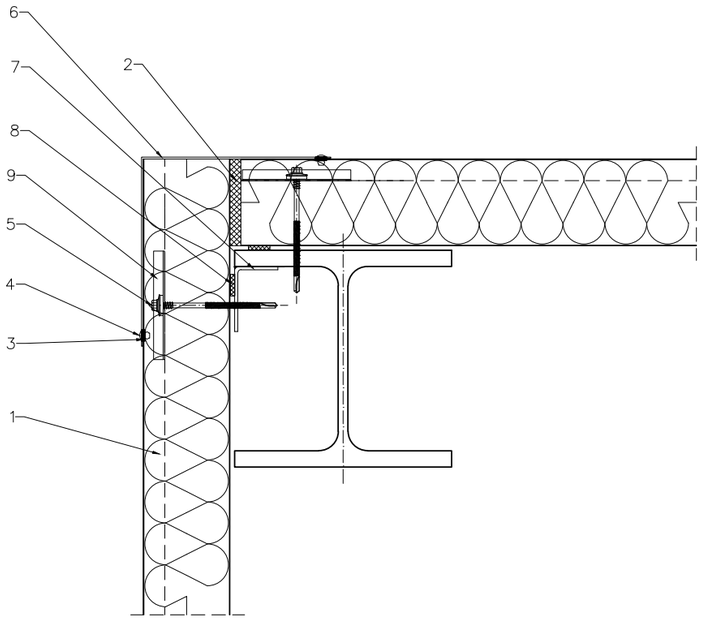


1. SPW-H CORE PIR sandwich panel
2. Thermal insulation at the connection of sandwich panels
3. Polyethylene tape (PES) TAS01B 3 x 10
4. ALU/steel sealed rivet NIT01A 4,0 x 11
5. Fastener for sandwich panel assembly
6. Flashing OB4 masking the connection of sandwich panels in the corner
7. L-shaped support profile according to structural design
8. Polyethylene tape (PES) TAS01F 4 x 20

Detail of fixing the sandwich panel in the outer corner
fixing – hidden connector,
panel arrangement – horizontal

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DHH 3A

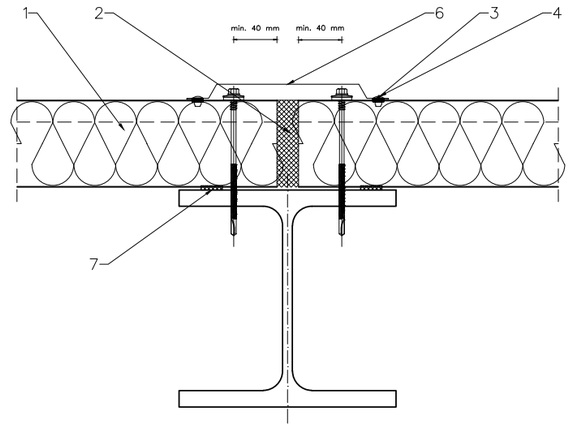


1. SPW-H CORE PIR sandwich panel
2. Thermal insulation at the connection of sandwich panels
3. Polyethylene tape (PES) TAS01B 3 x 10
4. ALU/steel sealed rivet NIT01A 4,0 x 11
5. Fastener for sandwich panel assembly
6. Flashing OB48 masking the connection of sandwich panels in the corner
7. L-shaped support profile according to structural design
8. Polyethylene tape (PES) TAS01F 4 x 20
9. WKR07B Stress dissipater

Detail of fixing the sandwich panel on lengthwise connection,
fixing – hidden connector,
panel arrangement – horizontal

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DHH 4

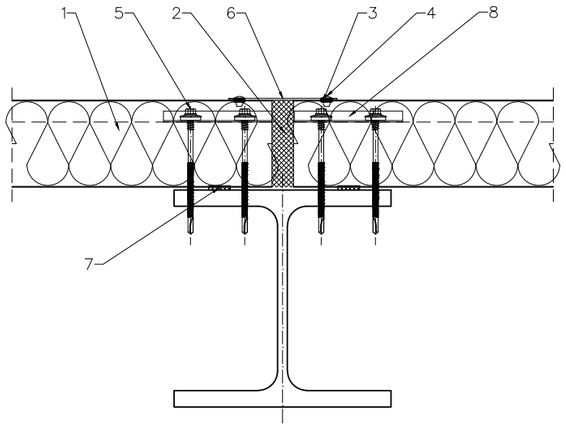


1. SPW-H CORE PIR sandwich panel
2. Thermal insulation at the connection of sandwich panels
3. Polyethylene tape (PES) TAS01B 3 x 10
4. ALU/steel sealed rivet NIT01A 4,0 x 11
5. Fastener for sandwich panel assembly
6. Flashing OB5 masking the connection of sandwich panels lengthwise
7. Polyethylene tape (PES) TAS01F 4 x 20

Detail of fixing the sandwich panel on lengthwise connection,
fixing – hidden connector,
panel arrangement – horizontal

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DHH 4A

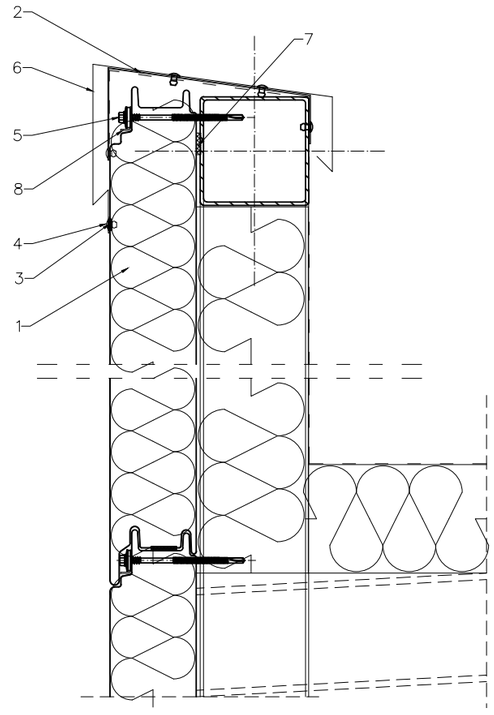


1. SPW-H CORE PIR sandwich panel
2. Thermal insulation at the connection of sandwich panels
3. Polyethylene tape (PES) TAS01B 3 x 10
4. ALU/steel sealed rivet NIT01A 4,0 x 11
5. Fastener for sandwich panel assembly
6. Flashing OB49 masking the connection of sandwich panels lengthwise
7. Polyethylene tape (PES) TAS01F 4 x 20
8. WKR07B Stress dissipater

Detail of fixing the sandwich panel at the attic,
fixing – hidden connector,
panel arrangement – horizontal

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DHH 5

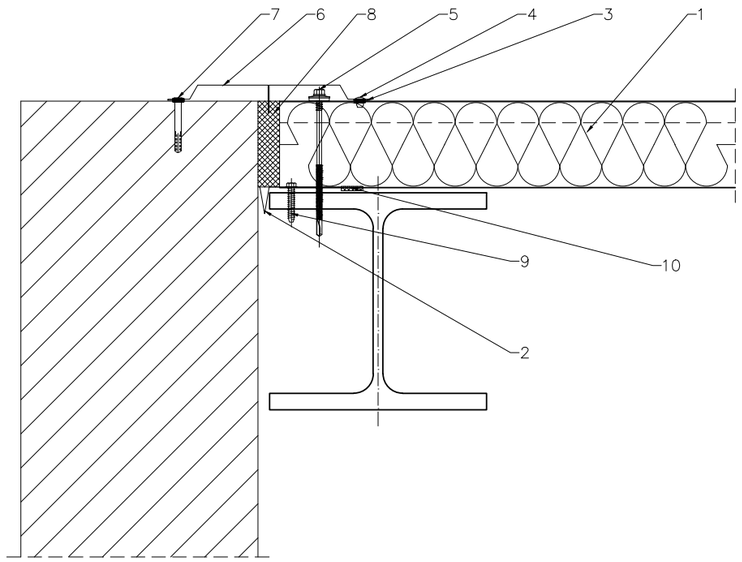


1. SPW-H CORE PIR sandwich panel
2. Bracket OB7 of the flashing masking the attic finish, installed every approx. 1000 mm
3. Polyethylene tape (PES) TAS01B 3 x 10
4. ALU/steel sealed rivet NIT01A 4,0 x 11
5. Fastener for sandwich panel assembly
6. Flashing OB6 masking the attic finish
7. Polyethylene tape (PES) TAS01F 4 x 20
8. WKR07B Stress dissipater

Detail of fixing the sandwich panel to the wall,
fixing – hidden connector,
panel arrangement – horizontal

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DHH 6

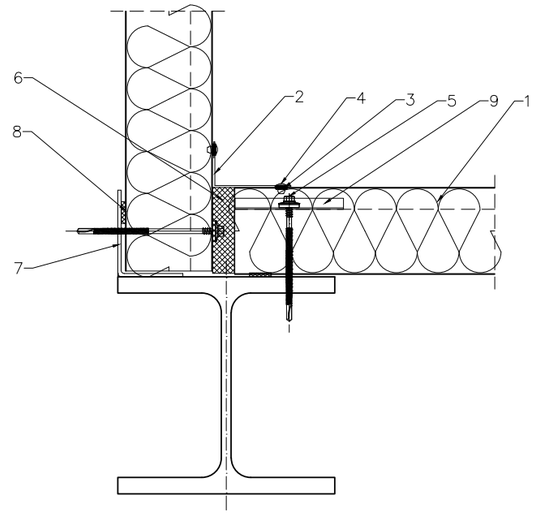


1. SPW-H CORE PIR sandwich panel
2. Flashing OB9 masking the joint between the sandwich panels and the wall from the inside
3. Polyethylene tape (PES) TAS01B 3 x 10
4. ALU/steel sealed rivet NIT01A 4,0 x 11
5. Fastener for sandwich panel assembly
6. Flashing OB8 masking the connection of the sandwich panels with the wall from the outside
7. Wall plug 8x60
8. Thermal insulation at the connection between the sandwich panel and the wall
9. Self-tapping screw 6,5x38
10. Polyethylene tape (PES) TAS01F 4 x 20

Detail of fixing the sandwich panel in the inner corner,
fixing – hidden connector,
panel arrangement – horizontal

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DHH 7



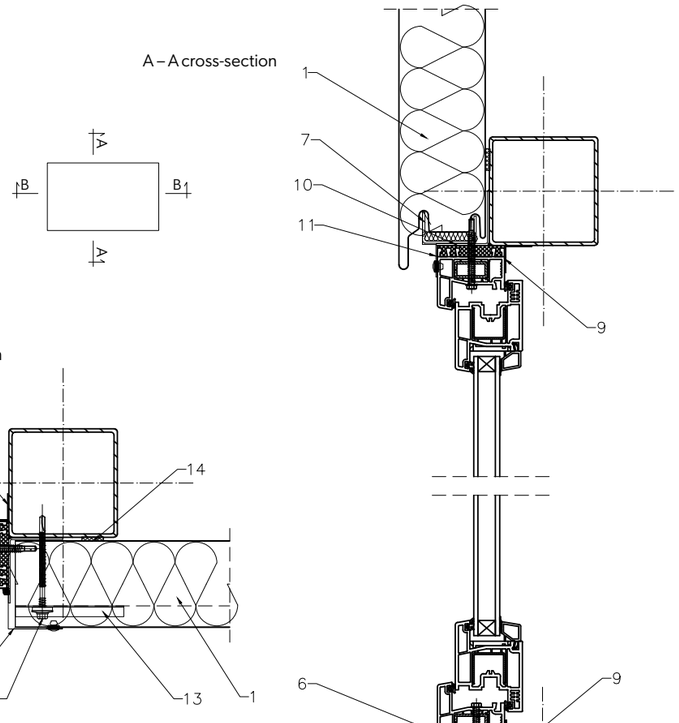
1. SPW-H CORE PIR sandwich panel
2. Flashing OB30 masking the connection of sandwich panels in the inner corner
3. Polyethylene tape (PES) TAS01B 3 x 10
4. ALU/steel sealed rivet NIT01A 4,0 x 11
5. Fastener for sandwich panel assembly
6. Thermal insulation at the connection of sandwich panels
7. L-shaped support profile according to structural design
8. Polyethylene tape (PES) TAS01F 4 x 20
9. WKR07B Stress dissipater

Detail of fixing the sandwich panel at the window,
fixing – hidden connector,
panel arrangement – horizontal

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DHH 8

A – A cross-section



1. SPW-H CORE PIR sandwich panel
2. Polyethylene tape (PES) TAS01B 3 x 10
3. ALU/steel sealed rivet NIT01A 4,0 x 11
4. Fastener for sandwich panel assembly
5. Horizontal flashing OB11 masking the connection between sandwich panels and a window, sill
6. Thermal insulation at the connection between the sandwich panels and the window
7. Supporting profile OC3
8. Self-tapping screw
9. Individual solution
10. OC2 profile supporting sandwich panel
11. Flashing OB31, drip cap over the window
12. Vertical flashing OB15 masking the connection between the sandwich panels and the window
13. WKR07B Stress dissipater
14. Polyethylene tape (PES) TAS01F 4 x 20

m.

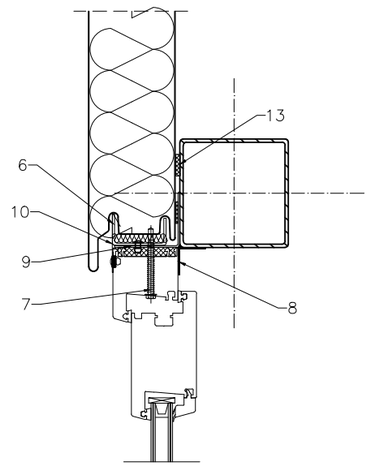
płyt warstwowych z oknem

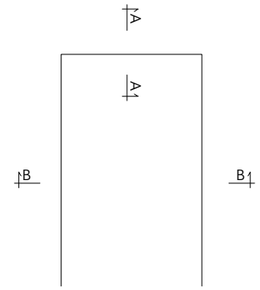
Detail of fixing the sandwich panel at the door,
fixing – hidden connector,
panel arrangement – horizontal

VSS s.r.o.
Kmetova 26,
040 01 Kosice

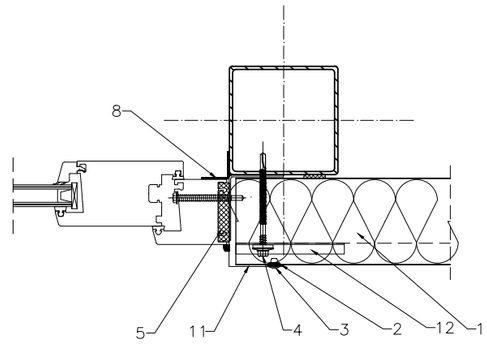
DHH 9

A – A cross-section





B – B cross-section



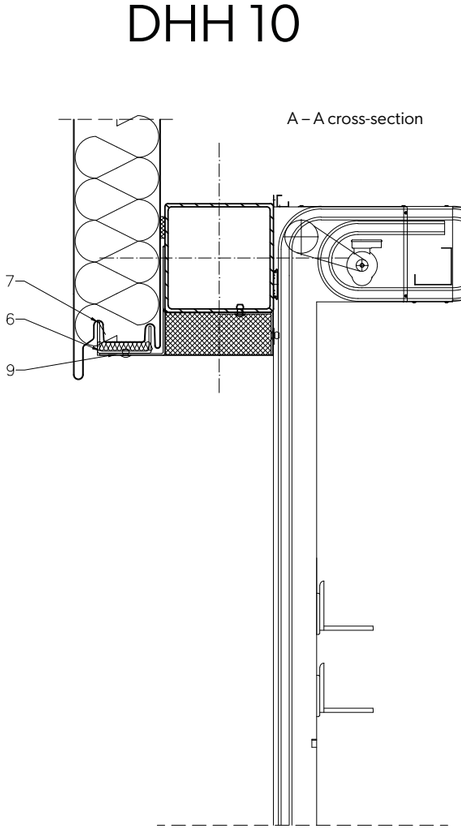
1. SPW-H CORE PIR sandwich panel
2. Polyethylene tape (PES) TAS01B 3 x 10
3. ALU/steel sealed rivet NIT01A 4,0 x 11
4. Fastener for sandwich panel assembly
5. Thermal insulation at the connection between the sandwich panels and the door
6. Supporting profile OC3
7. Self-tapping screw
8. Individual solution
9. OC2 profile supporting sandwich panel
10. Flashing OB32, drip cap
11. Vertical flashing OB15 masking the connection between the sandwich panels and the door
12. WKR07B Stress dissipater
13. Polyethylene tape (PES) TAS01F 4 x 20

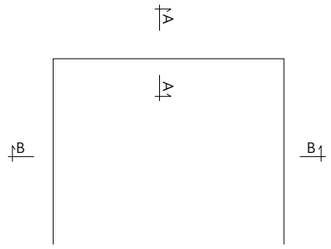
Detail of fixing the sandwich panel at the gate,
fixing – hidden connector,
panel arrangement – horizontal

VSS s.r.o.
Kmetova 26,
040 01 Kosice

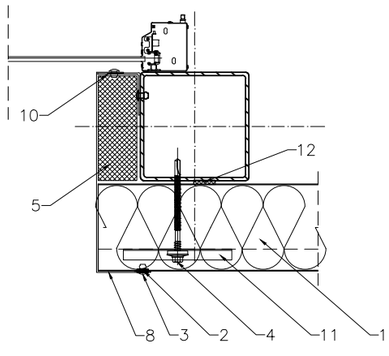
DHH 10

A – A cross-section





B – B cross-section

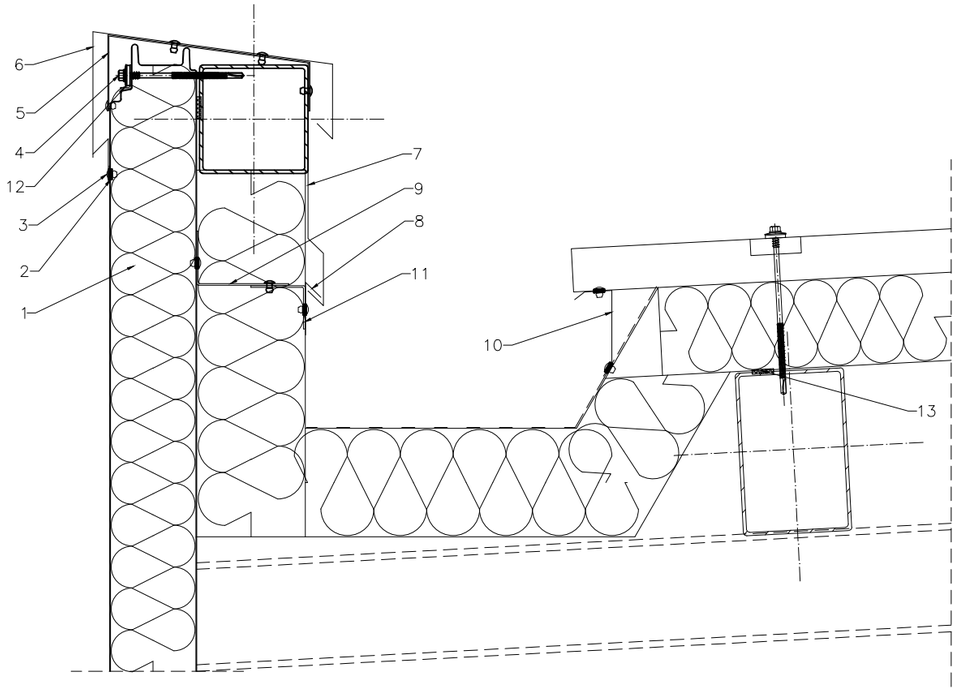


1. SPW-H CORE PIR sandwich panel
2. Polyethylene tape (PES) TAS01B 3 x 10
3. ALU/steel sealed rivet NIT01A 4,0 x 11
4. Fastener for sandwich panel assembly
5. Thermal insulation at the connection between the sandwich panels and the gate
6. Supporting profile OC1
7. Horizontal flashing OB33 masking the connection of sandwich panels with the gate
8. Vertical flashing OB34 masking the connection of sandwich panels with the gate
9. Supporting profile OC1
10. Profile OC4
11. WKR07B Stress dissipater
12. Polyethylene tape (PES) TAS01F 4 x 20

Detail of fixing the sandwich panel at the attic, inner trough,
fixing – hidden connector,
panel arrangement – horizontal

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DHH 11

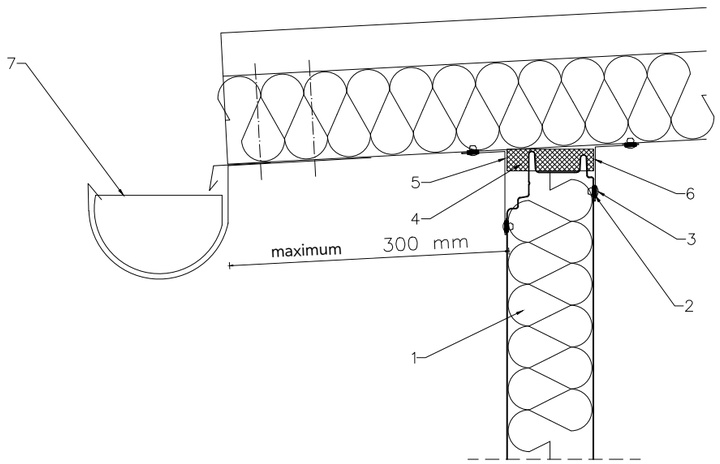


1. SPW-H CORE PIR sandwich panel
2. Polyethylene tape (PES) TAS01B 3 x 10
3. ALU/steel sealed rivet NIT01A 4,0 x 11
4. Fastener for sandwich panel assembly
5. Bracket OB7 of the flashing masking the attic finish, installed every approx. 1000 mm
6. Flashing OB6 masking the attic finish
7. Flashing OB19 masking the connection of roof waterproofing with inner attic casing
8. Bracket OB20 of the flashing masking the connection of the roof waterproofing with the inner casing of the attics
9. Profile by steel structure
10. Flashing OB21 masking the connection between the roof sandwich panel and the inner gutter
11. Profile by steel structure
12. WKR07B Stress dissipater
13. Polyethylene tape (PES) TAS01F 4 x 20

Detail of fixing the sandwich panel at the roof sandwich panel SPR CORE PIR,
fixing – hidden connector,
panel arrangement – horizontal

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DHH 12



1. SPW-H CORE PIR sandwich panel
2. Polyethylene tape (PES) TAS01B 3 x 10
3. ALU/steel sealed rivet NIT01A 4,0 x 11
4. Thermal insulation at the connection of wall and roof sandwich panels
5. Flashing OB22 masking the connection between the wall and roof sandwich panels from the outside
6. Flashing OB23 masking the connection between the wall and roof sandwich panels from the inside
7. Integrated gutter

Details SPW-H CORE PIR

SPW-H CORE PIR sandwich panel – vertical installation

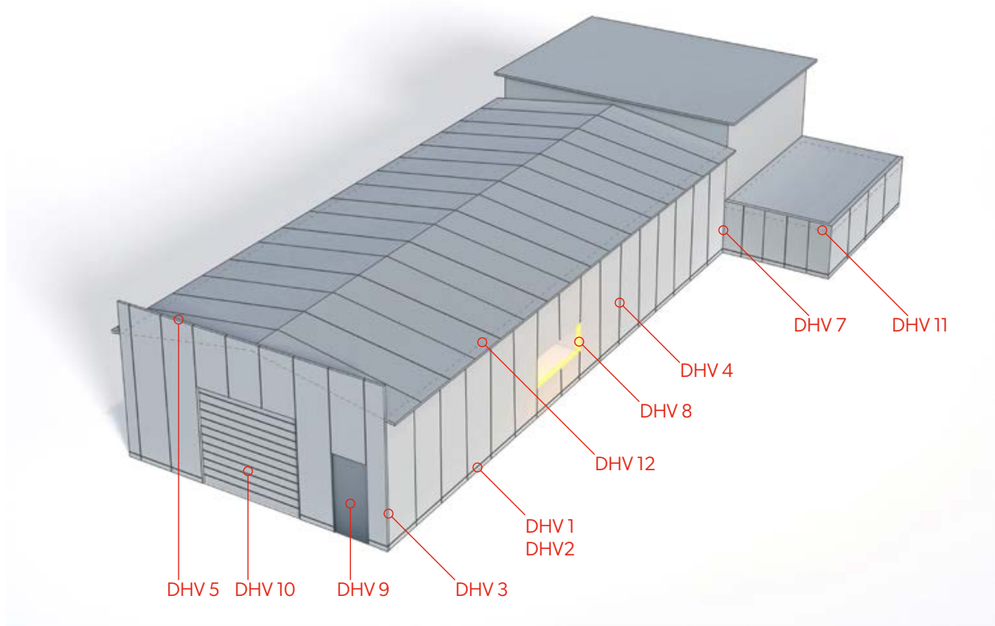


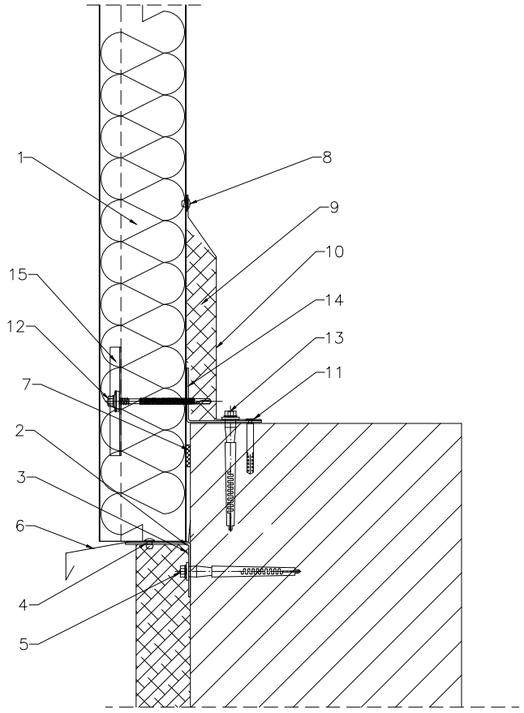
Table of details SPW-H CORE PIR vertical installation

72. DHV 1 – detail of fixing the sandwich panel at the ground beam variant I
73. DHV 2 – detail of fixing the sandwich panel at the ground beam variant II
74. DHV 3 – detail of fixing the sandwich panel in the outer corner
75. DHV 4 – detail of fixing the sandwich panel on the fitting lengthwise
76. DHV 5 – detail of fixing the sandwich panel at the attic
77. DHV 6 – detail of fixing the sandwich panel to the wall
78. DHV 7 – detail of fixing the sandwich panel in the inner corner
79. DHV 8 – detail of fixing the sandwich panel at the window
80. DHV 9 – detail of fixing the sandwich panel at the door
81. DHV 10 – detail of fixing the sandwich panel at the gate
82. DHV 11 – detail of fixing the sandwich panel at the attic, inner trough
83. DHV 12 – detail of fixing the sandwich at the roof sandwich panel SPR CORE PIR

Detail of fixing the sandwich panel at the ground beam variant I,
fixing – hidden connector,
panel arrangement – vertical

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DHV 1

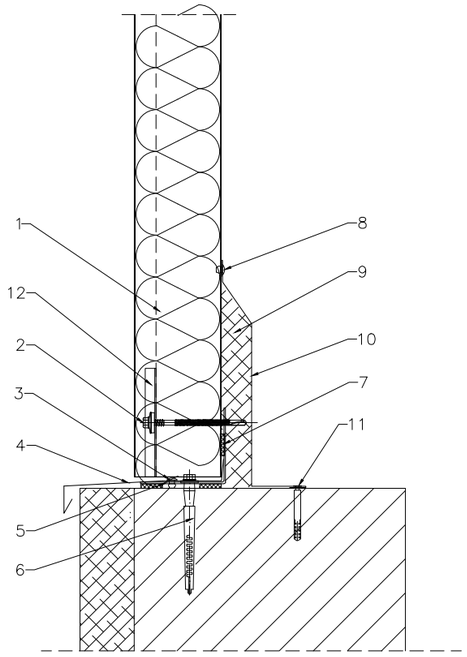


1. SPW-H CORE PIR sandwich panel
2. Thermal insulation of the runway
3. ALU/steel sealed rivet NIT01B 4,8 x 11
4. Supporting profile OC1
5. Fixing anchor for support profile OC1
6. Flashing OB24 runway drip cap
7. Polyethylene tape (PES) TAS01F 4 x 20
8. ALU/steel sealed rivet NIT01A 4,0 x 11
9. Thermal insulation of the connection of the sandwich panel with the ground beam
10. Flashing B1 masking the connection between sandwich panel and the ground beam
11. Thermal insulation of the runway
12. Fastener for sandwich panel assembly
13. Fastener for assembly L-shaped support profile according to structural design
14. L-shaped support profile according to structural design
15. WKR07B Stress dissipater

Detail of fixing the sandwich panel at the ground beam variant II,
fixing – hidden connector,
panel arrangement – vertical

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DHV 2

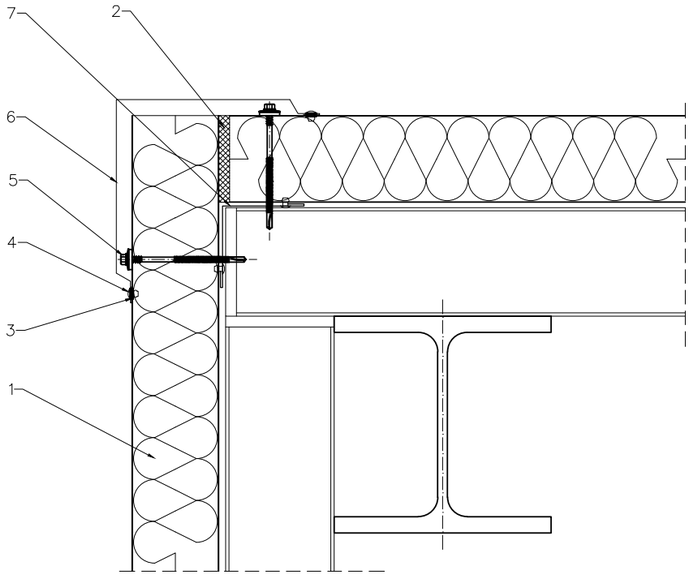


1. SPW-H CORE PIR sandwich panel
2. Fastening connector for sandwich panel
3. ALU/steel sealed rivet NIT01B 4,8 x 11
4. Flashing OB24 runway drip cap
5. L-shaped support profile according to structural design
6. Fixing anchor for L-shaped support profile
7. Polyethylene tape (PES) TAS01F 4 x 20
8. ALU/steel sealed rivet NIT01A 4,0 x 11
9. Thermal insulation of the connection of the sandwich panel with the ground beam
10. Flashing B1 masking the connection between sandwich panel and the ground beam
11. Thermal insulation of the runway
12. WKR07B Stress dissipater

Detail of fixing the sandwich panel in the outer corner,
fixing – hidden connector,
panel arrangement – vertical

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DHV3

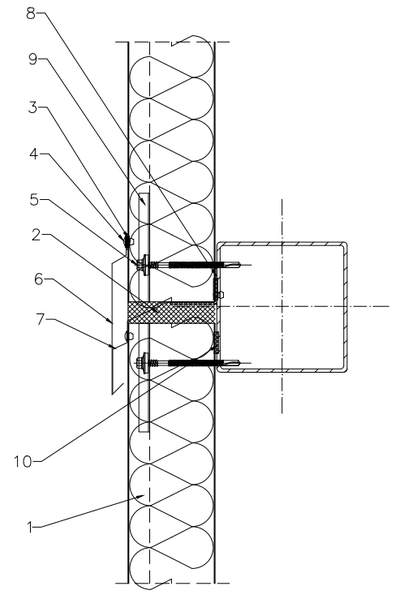


1. SPW-H CORE PIR sandwich panel
2. Thermal insulation at the connection of sandwich panels
3. Polyethylene tape (PES) TAS01B 3 x 10
4. ALU/steel sealed rivet NIT01A 4,0 x 11
5. Fastener for sandwich panel assembly
6. Flashing OB4 masking the connection of sandwich panels
7. Flashing OB50 masking the connection between the sandwich panels in the outer corner from the inside

Detail of fixing the sandwich panel on lengthwise connection,
fixing – hidden connector,
panel arrangement – vertical

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DHV 4

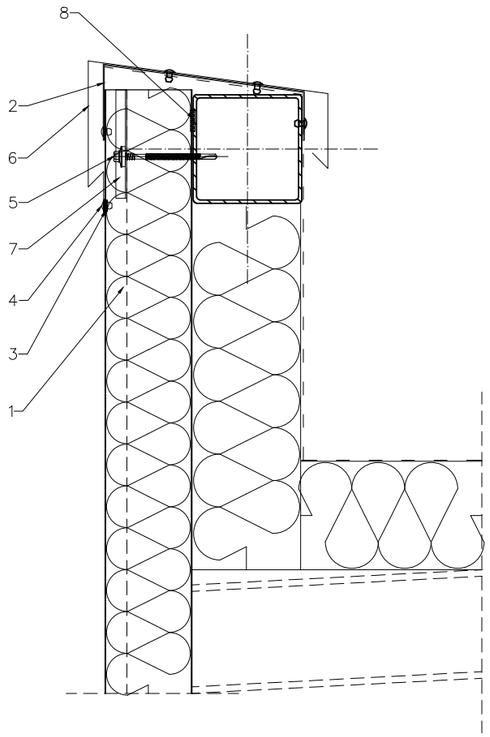


1. SPW-H CORE PIR sandwich panel
2. Thermal insulation at the connection of sandwich panels
3. Polyethylene tape (PES) TAS01B 3 x 10
4. ALU/steel sealed rivet NIT01A 4,0 x 11
5. Fastener for sandwich panel assembly
6. Flashing OB26 masking the connection of sandwich panels
7. OB27 Flashing
8. L-shaped support profile according to structural design
9. WKR07B Stress dissipater
10. Polyethylene tape (PES) TAS01F 4 x 20

Detail of fixing the sandwich panel at the attic,
fixing – hidden connector,
panel arrangement – vertical

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DHV 5

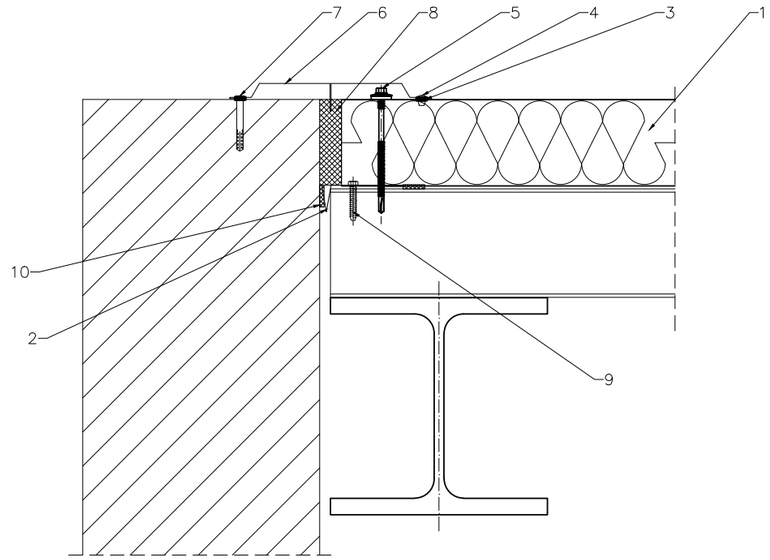


1. SPW-H CORE PIR sandwich panel
2. Bracket OB7 of the flashing masking the attic finish, installed every approx. 1000 mm
3. Polyethylene tape (PES) TAS01B 3 x 10
4. ALU/steel sealed rivet NIT01A 4,0 x 11
5. Fastener for sandwich panel assembly
6. Flashing OB6 masking the attic finish
7. WKR07B Stress dissipater
8. Polyethylene tape (PES) TAS01F 4 x 20

Detail of fixing the sandwich panel to the wall,
fixing – hidden connector,
panel arrangement – vertical

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DHV 6

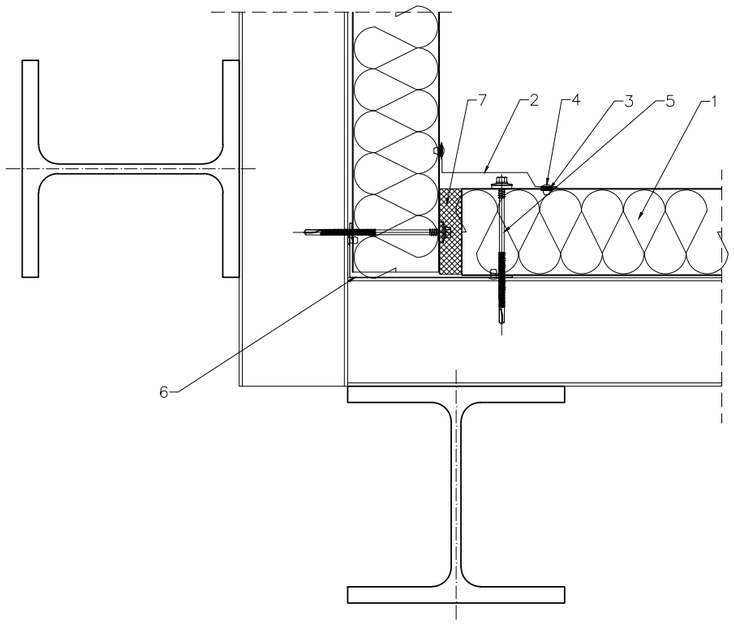


1. SPW-H CORE PIR sandwich panel
2. Flashing OB9 masking the connection of sandwich panels with the wall from inside
3. Polyethylene tape (PES) TAS01B 3 x 10
4. ALU/steel sealed rivet NIT01A 4,0 x 11
5. Fastener for sandwich panel assembly
6. Flashing OB8 masking the connection of the sandwich panels with the wall from the outside
7. Wall plug 8x60
8. Thermal insulation at the connection between the sandwich panel and the wall
9. Self-tapping screw 6,5x38
10. Polyethylene tape (PES) TAS01F 4 x 20

Detail of fixing the sandwich panel in the inner corner,
fixing – hidden connector,
panel arrangement – vertical

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DHV 7

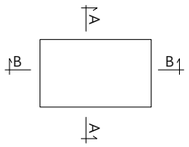


1. SPW-H CORE PIR sandwich panelOB30
2. Flashing OB10 masking the connection of the sandwich panels in the internal corner
3. Polyethylene tape (PES) TAS01B 3 x 10
4. ALU/steel sealed rivet NIT01A 4,0 x 11
5. Fastener for sandwich panel assembly
6. Thermal insulation at the connection of sandwich panels
7. Flashing OB51 masking the connection between the sandwich panels in the inner corner from the inside

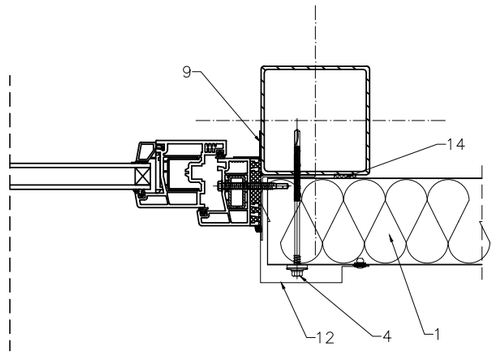
Detail of fixing the sandwich panel at the window,
fixing – hidden connector,
panel arrangement – vertical

VSS s.r.o.
Kmetova 26,
040 01 Kosice

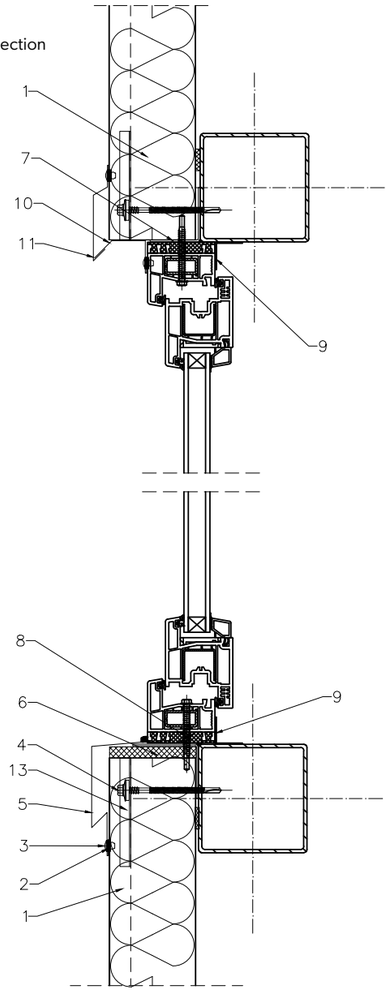
DHV 8



B – B cross-section



A – A cross-section



1. SPW-H CORE PIR sandwich panel
2. Polyethylene tape (PES) TAS01B 3 x 10
3. ALU/steel sealed rivet NIT01A 4,0 x 11
4. Fastener for sandwich panel assembly
5. Horizontal flashing OB11 masking the connection between sandwich panels and a window, sill
6. Thermal insulation at the connection between the sandwich panels and the window
7. Supporting profile OC1
8. Self-tapping screw
9. Individual solution
10. Flashing OB28, drip cap bottom, over the window
11. Flashing OB29, drip cap
12. Vertical flashing OB15 masking the connection between the sandwich panels and the window
13. WKR07B Stress dissipater
14. Polyethylene tape (PES) TAS01F 4 x 20

nem.

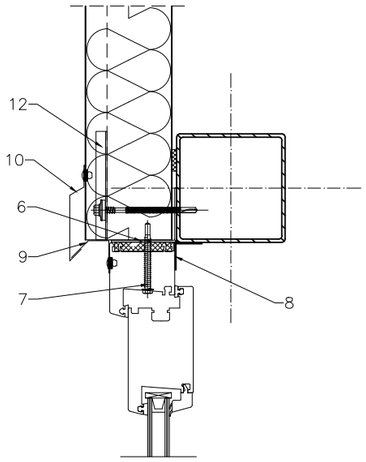
ie płyt warstwowych z oknem

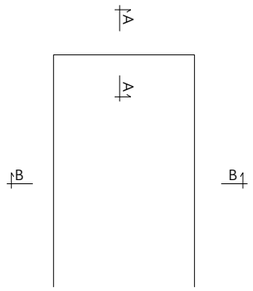
Detail of fixing the sandwich panel at the door,
fixing – hidden connector,
panel arrangement – vertical

VSS s.r.o.
Kmetova 26,
040 01 Kosice

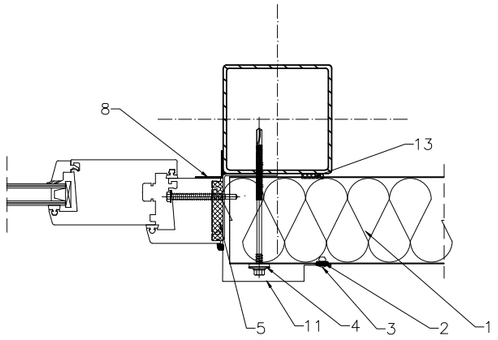
DHV 9

A – A cross-section





B – B cross-section



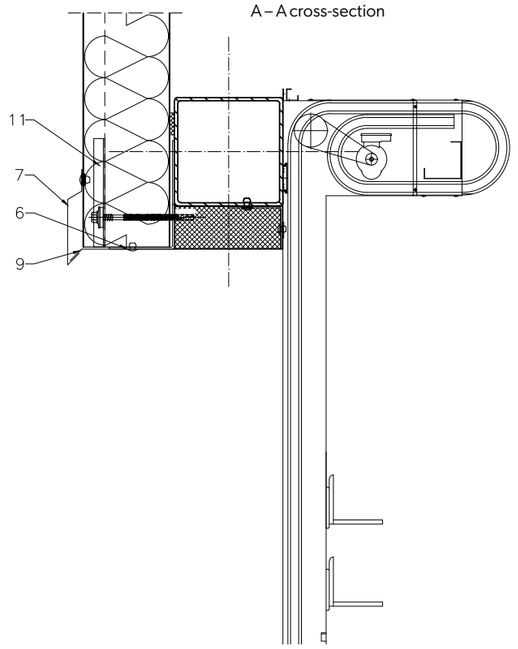
1. SPW-H CORE PIR sandwich panel
2. Polyethylene tape (PES) TAS01B 3 x 10
3. ALU/steel sealed rivet NIT01A 4,0 x 11
4. Fastener for sandwich panel assembly
5. Thermal insulation at the connection between the sandwich panels and the door
6. Supporting profile OC1
7. Self-tapping screw
8. Individual solution
9. Flashing OB28, drip cap bottom, over the window
10. Flashing OB29, drip cap
11. Vertical flashing OB15 masking the connection between the sandwich panels and the door
12. WKR07B Stress dissipater
13. Polyethylene tape (PES) TAS01F 4 x 20t

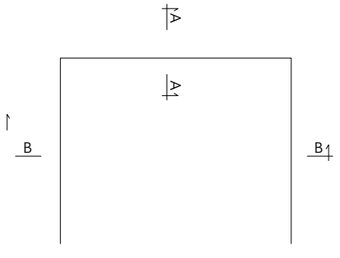
Detail of fixing the sandwich panel at the gate,
fixing – hidden connector,
panel arrangement – vertical

VSS s.r.o.
Kmetova 26,
040 01 Kosice

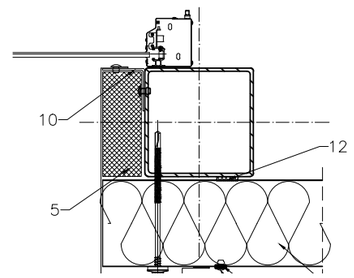
DHV 10

A – A cross-section





B – B cross-section

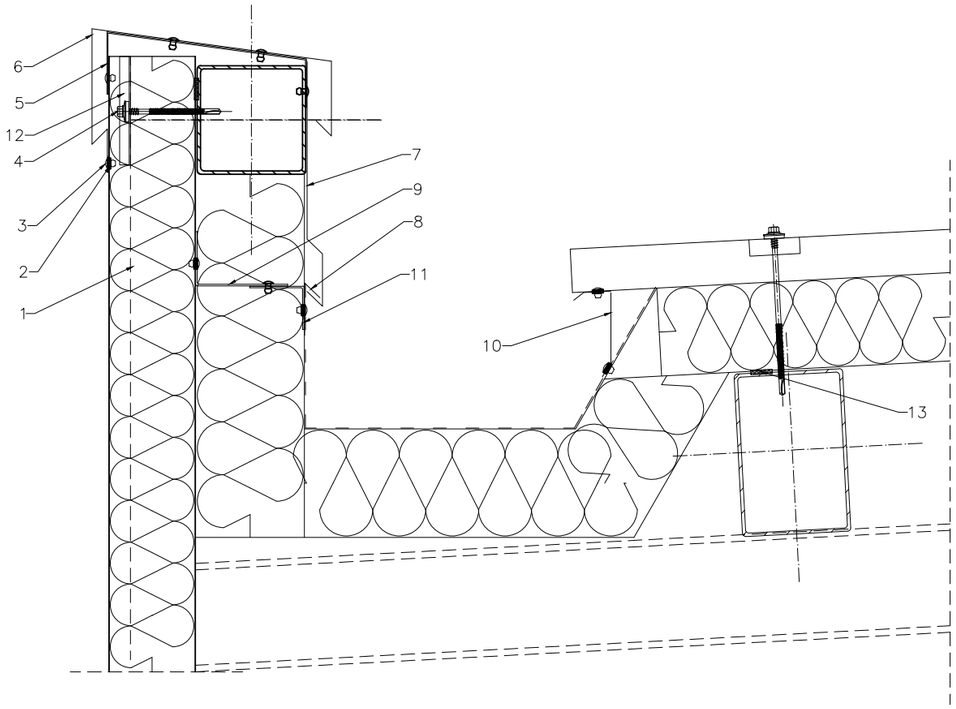


1. SPW-H CORE PIR sandwich panel
2. Polyethylene tape (PES) TAS01B 3 x 10
3. ALU/steel sealed rivet NIT01A 4,0 x 11
4. Fastener for sandwich panel assembly
5. Thermal insulation at the connection between the sandwich panels and the gate
6. Supporting profile OC1
7. Horizontal flashing OB29 masking the connection between the sandwich panels and the gate
8. Vertical flashing OB18 masking the connection between the sandwich panels and the door frame
9. Horizontal flashing OB17 masking the connection between the sandwich panels and the bottom gate
10. L-shaped support profile according to structural design
11. WKR07B Stress dissipater
12. Polyethylene tape (PES) TAS01F 4 x 20

Detail of fixing the sandwich panel at the attic, inner trough
fixing – hidden connector,
panel arrangement – vertical

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DHV 11

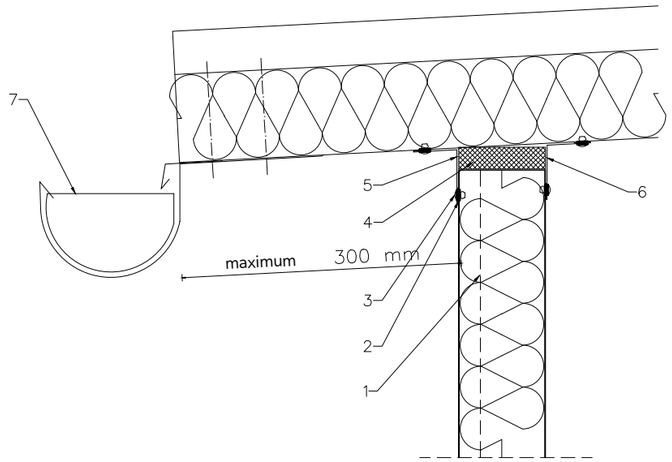


1. SPW-H CORE PIR sandwich panel
2. Polyethylene tape (PES) TAS01B 3 x 10
3. ALU/steel sealed rivet NIT01A 4,0 x 11
4. Fastener for sandwich panel assembly
5. Bracket OB7 of the flashing masking the attic finish, installed every approx. 1000 mm
6. Flashing OB6 masking the attic finish
7. Flashing OB19 masking the connection of roof waterproofing with inner attic casing
8. Bracket OB20 of the flashing masking the connection of the roof waterproofing with the inner casing of the attic
9. Profile by steel structure
10. Flashing OB21 masking the connection between the roof sandwich panel and the inner gutter
11. Profile by steel structure
12. WKR07B Stress dissipater
13. Polyethylene tape (PES) TAS01F 4 x 20

Detail of fixing the sandwich panel at the roof sandwich panel SPR CORE PIR,
fixing – hidden connector,
panel arrangement – vertical

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DHV 12



1. SPW-H CORE PIR sandwich panel
2. Polyethylene tape (PES) TAS01B 3 x 10
3. ALU/steel sealed rivet NIT01A 4,0 x 11
4. Thermal insulation at the connection of wall and roof sandwich panels
5. Flashing OB22 masking the connection of wall sandwich panel and roof panel from outside
6. Flashing OB23 masking the connection of wall sandwich panel and roof panel from inside
7. Integrated gutter

Details SPR CORE PIR

SPR CORE PIR sandwich panel

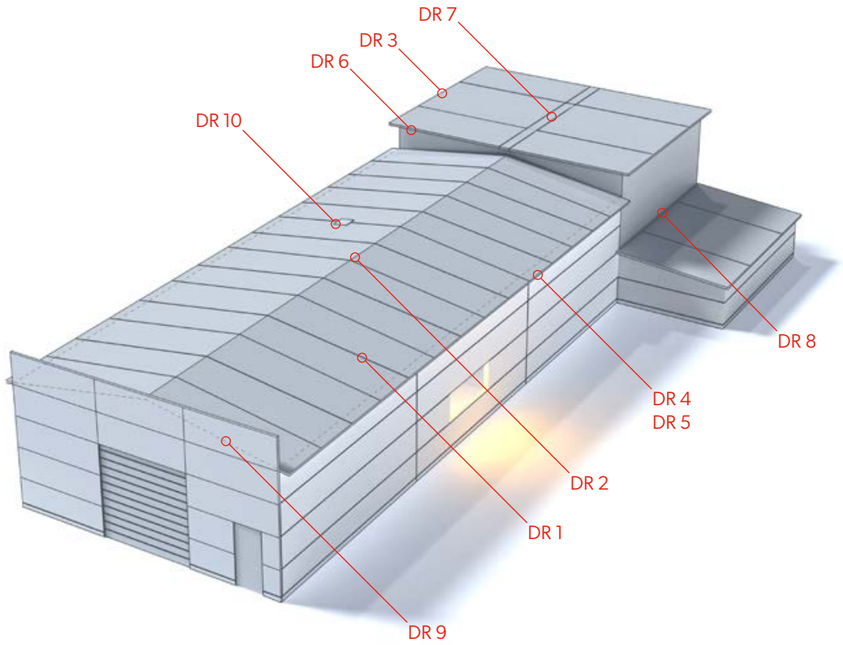


Table of details SPR CORE PIR

85. DR 1 – detail of attachment of roof sandwich panel to steel purlin

86. DR 2 – detail of fixing the roof sandwich panel in the ridge

87. DR 3 –detail of fixing the roof sandwich panel to the wall panel

88. DR 4 – detail of fastening roof sandwich panel with wall panel - eaves, variant I

89. DR 5 – detail of fastening roof sandwich panel with wall panel - eaves, variant II

90. DR 6 – detail of roof sandwich panel fastening – roof peak

91. DR 7 – detail of fixing the roof sandwich panel in length

92. DR 8 – detail of fixing the roof sandwich panel to the wall panel of the taller building

93. DR 9 – detail of fixing the roof sandwich panel to the attic wall panel I

94. DR 10 – detail of skylight base attachment to roof panel

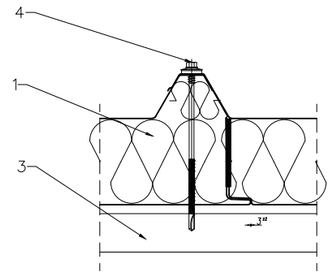
95. DR 11 – detail of attachment of roof sandwich panel with attic wall panel variant II

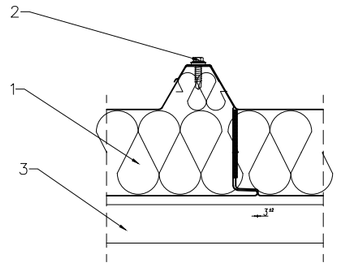
96. DR 12 – detail of fixing of inner gutter with roof panel

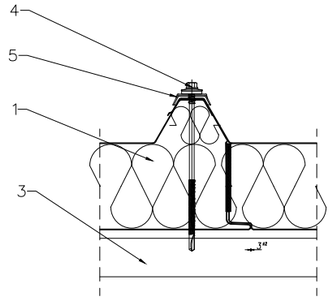
Detail of fixing of roof sandwich panel to steel purlin

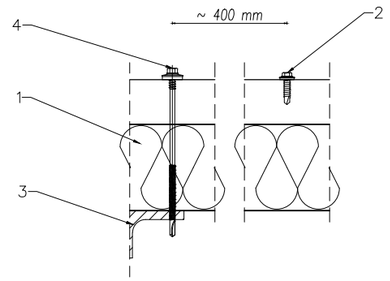
VSS s.r.o.
Kmetova 26,
040 01 Kosice

DR 1







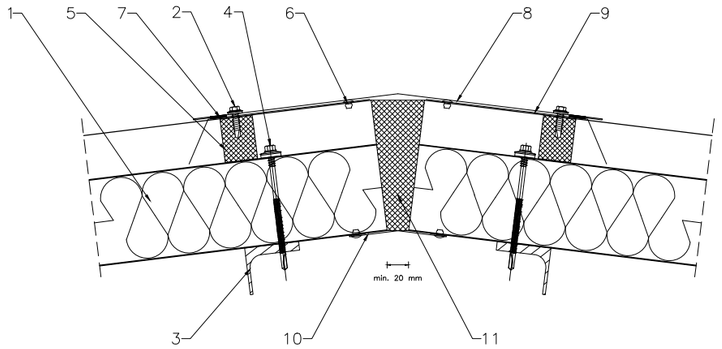


1. SPR CORE PIR sandwich panel
2. Self-drilling screw WKRO5A 4,8 x 19
3. Steel profile according to structural design
4. Fastener for sandwich panel assembly
5. Calotte WKR06A

Detail of fixing of roof sandwich panel in ridge

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DR 2

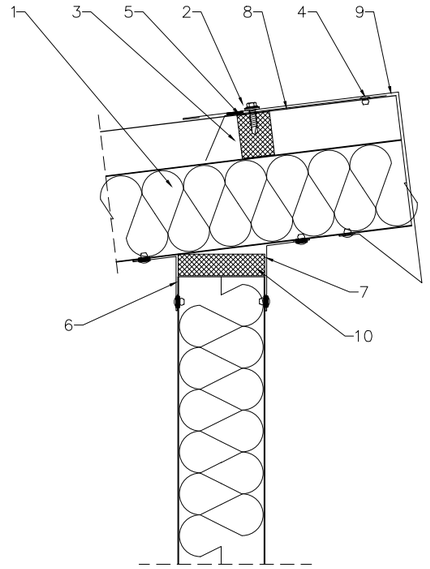


1. SPR CORE PIR sandwich panel
2. Self-drilling screw WKRO5A 4,8 x 19
3. Steel profile according to structural design
4. Fastener for sandwich panel assembly
5. Ridge gasket USZ01
6. ALU/steel sealed rivet NIT01A 4,0 x 11
7. Polyethylene tape (PES) TAS01F 4 x 20
8. Ridgepole flashing OB35
9. Flashing OB37 at the ridgepole
10. Flashing OB36 under the ridgepole
11. Thermal insulation at the connection of sandwich panels

Detail of attachment of roof sandwich panel to wall panel

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DR 3

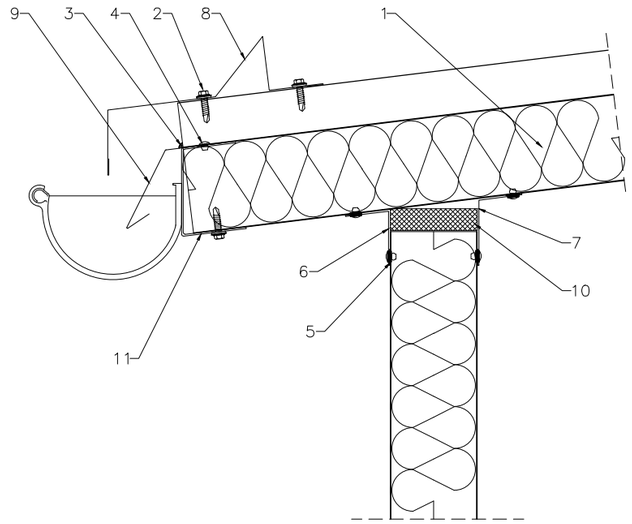


1. SPR CORE PIR sandwich panel
2. Self-drilling screw WKR05A 4,8 x 19
3. Ridge gasket USZ01
4. ALU/steel sealed rivet NIT01A 4,0 x 11
5. Polyethylene tape (PES) TAS01B 3 x 10
6. Flashing OB22 masking the connection between the wall and roof sandwich panels from the outside
7. Flashing OB23 masking the connection between the wall and roof sandwich panels from the inside
8. Flashing OB37 at the ridgepole
9. Flashing OB40 masking the gable of mono-pitched roof
10. Thermal insulation at the connection of sandwich panels

Detail of attachment of roof panel to wall panel - eaves, variant I

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DR 4

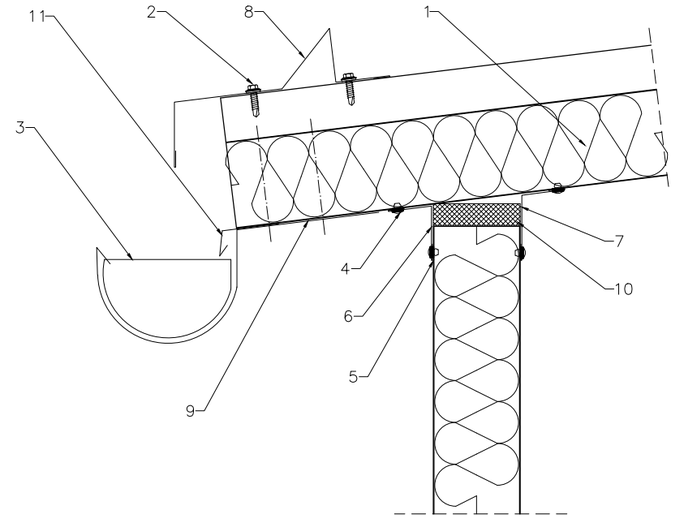


1. SPR CORE PIR sandwich panel
2. Self-drilling screw WKR05 4,8 x 19
3. Sealing compound
4. ALU/steel sealed rivet NIT01A 4,0 x 11
5. Polyethylene tape (PES) TAS01B 3 x 10
6. Flashing OB22 masking the connection between the wall and roof sandwich panels from the outside
7. Flashing OB23 masking the connection between the wall and roof sandwich panels from the inside
8. OB42 The flashing of roof eave
9. OB41 The flashing of roof eave
10. Thermal insulation at the connection of sandwich panels
11. OC4 Gutter assembly flashing

Detail of attachment of roof panel to wall panel - eaves, variant II

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DR 5

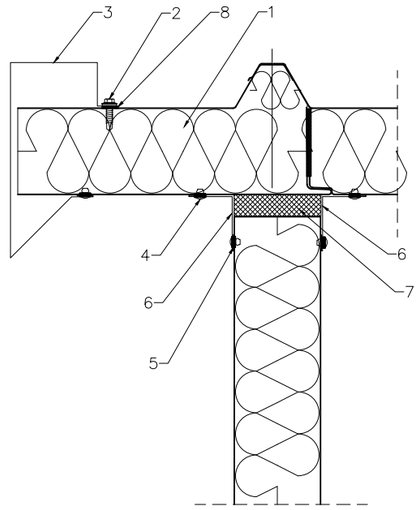


1. SPR CORE PIR sandwich panel
2. Self-drilling screw WKR05 4,8 x 19
3. Integrated gutter
4. ALU/steel sealed rivet NIT01A 4,0 x 11
5. Polyethylene tape (PES) TAS01B 3 x 10
6. Flashing OB22 masking the connection between the wall and roof sandwich panels from the outside
7. Flashing OB23 masking the connection between the wall and roof sandwich panels from the inside
8. OB42 The flashing of roof eave
9. Mounting bracket for the system gutter
10. Thermal insulation at the connection of sandwich panels
11. OB43 The flashing of roof eave

Detail of roof sandwich panel fixing - roof peak

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DR 6

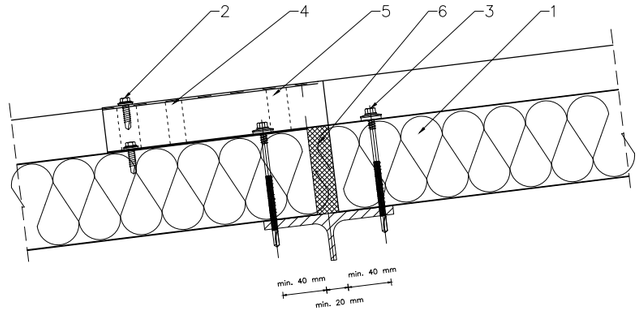


1. SPR CORE PIR sandwich panel
2. Self-drilling screw WKR05 4,8 x 19
3. Flashing OB38 masking the end of a sandwich panel
4. ALU/steel sealed rivet NIT01A 4,0 x 11
5. Polyethylene tape (PES) TAS01B 3 x 10
6. Flashing OB12 masking the joint between roof panel and wall panel
7. Thermal insulation at the connection of sandwich panels
8. Butyl seal USZ04 2 x 15

Detail of roof sandwich panel fixing at length

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DR 7

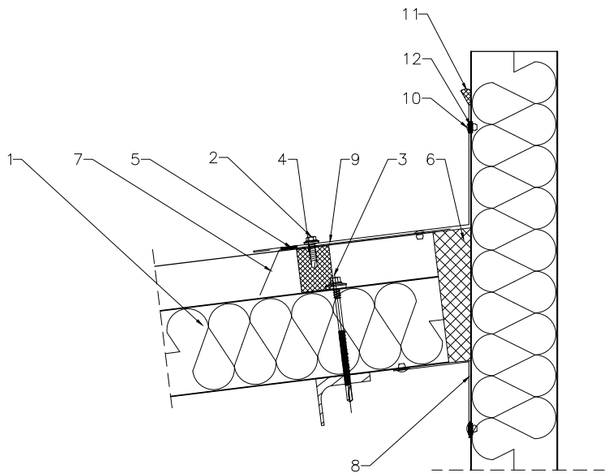


1. SPR CORE PIR sandwich panel
2. Self-drilling screw WKR05 4,8 x 19
3. Fastener for sandwich panel assembly
4. Butyl seal USZO4 15 x 2
5. Polyethylene tape (PES) TAS01F 4 x 20
6. Thermal insulation at the connection of sandwich panels

Detail of attachment of roof sandwich panel to wall panel of taller building

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DR 8

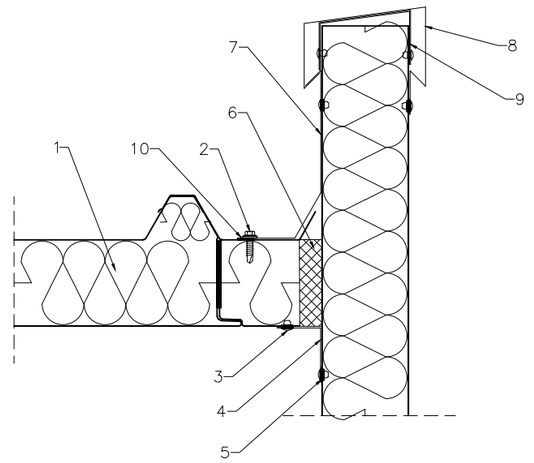


1. SPR CORE PIR sandwich panel
2. Self-drilling screw WKR05 4,8 x 19
3. Fastener for sandwich panel assembly
4. Ridge gasket USZ01
5. Polyethylene tape (PES) TAS01F 4 x 20
6. Thermal insulation at the connection of sandwich panels
7. Flashing OB36 at the ridgepole
8. Flashing OB39 masking the connection of wall sandwich panel and roof panel from inside
9. Ridgepole flashing OB44
10. ALU/steel sealed rivet NIT01A 4,0 x 11
11. Permanently elastic mass
12. Polyethylene tape (PES) TAS01B 3 x 10

Detail of attachment of roof sandwich panel with attic wall panel variant I

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DR 9

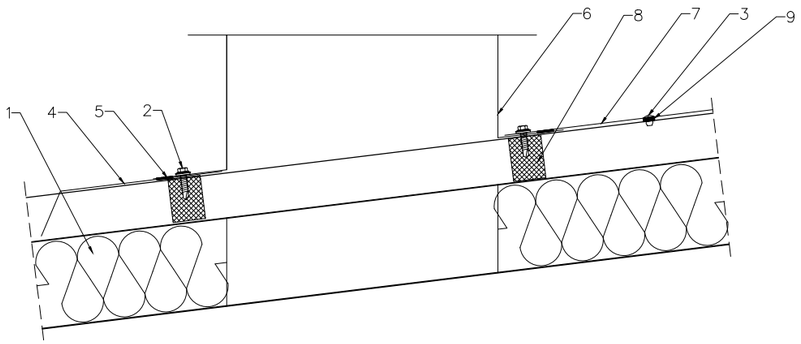


1. SPR CORE PIR sandwich panel
2. Self-drilling screw WKR05 4,8 x 19
3. ALU/steel sealed rivet NIT01A 4,0 x 11
4. Flashing OB12 masking the connection of sandwich panels
5. Polyethylene tape (PES) TAS01B 3 x 10
6. Thermal insulation at the connection of sandwich panels
7. Flashing OB45
8. Attic flashing OB46
9. Flashing OC5 bracket of attic flashing
10. Butyl seal USZ04 2 x 15

Detail of attachment of skylight base to roof panel

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DR 10

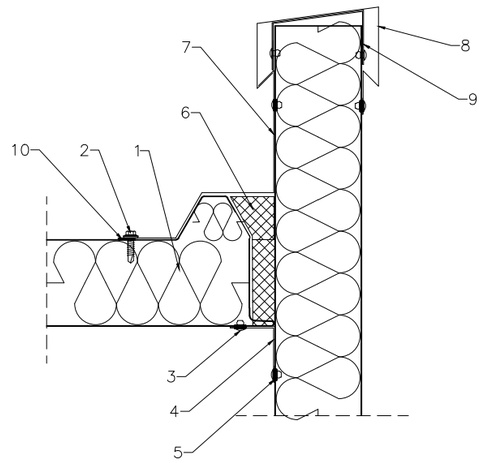


1. SPR CORE PIR sandwich panel
2. Self-drilling screw WKR05 4,8 x 19
3. ALU/steel sealed rivet NIT01A 4,0 x 11
4. Flashing OB37 at the ridgepole
5. Polyethylene tape (PES) TAS01F 4 x 20
6. Skylight base
7. Flashing according to the workshop design
8. Ridge gasket USZ01
9. Polyethylene tape (PES) TAS01B 3 x 10

Detail of attachment of roof sandwich panel with attic wall panel variant II

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DR 11

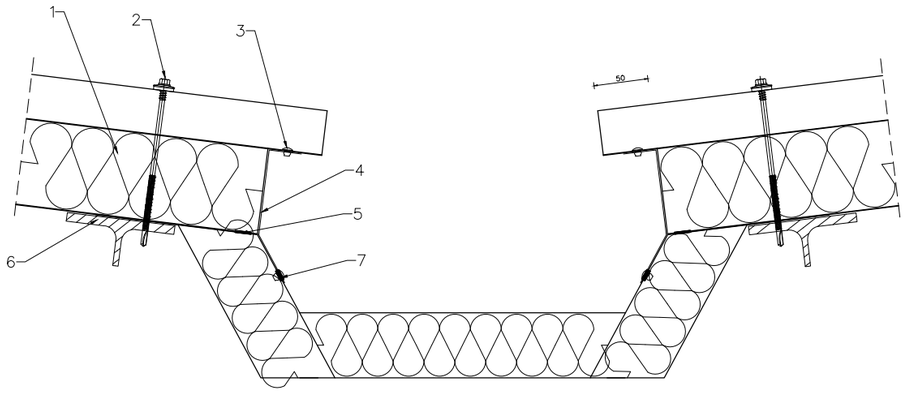


1. SPR CORE PIR sandwich panel
2. Self-drilling screw WKR05 4,8 x 19
3. ALU/steel sealed rivet NIT01A 4,0 x 11
4. Flashing OB12 masking the connection between the sandwich panels
5. Polyethylene tape (PES) TAS01B 3 x 10
6. Thermal insulation at the connection of sandwich panels
7. Individual flashings
8. Attic flashing OB46
9. Flashing OC5 bracket of attic flashing
10. Butyl seal USZ04 2 x 15

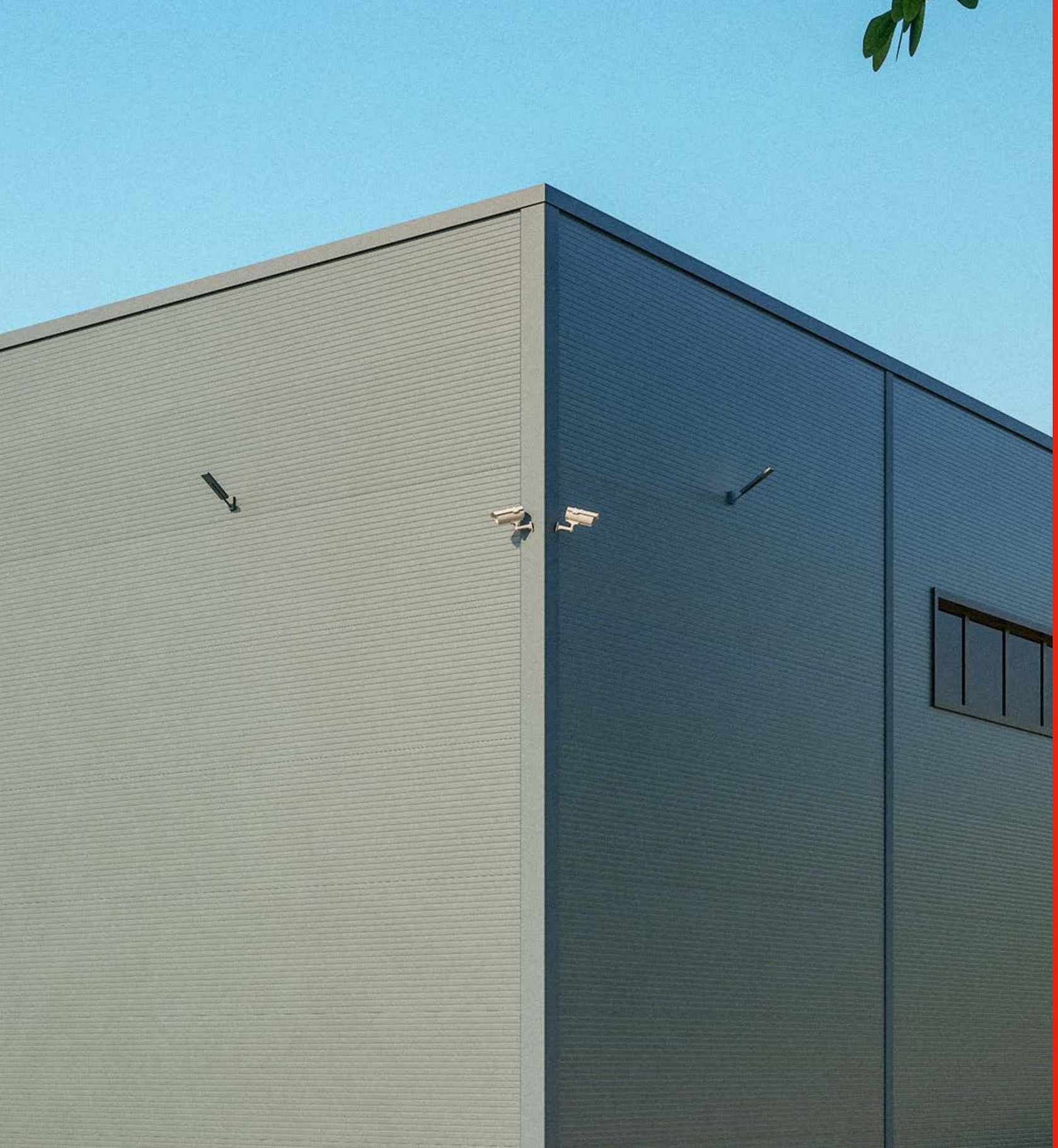
Detail of fixing of inner gutter with roof panel

VSS s.r.o.
Kmetova 26,
040 01 Kosice

DR 12



1. SPR CORE PIR sandwich panel
2. Fastener for sandwich panel assembly
3. ALU/steel sealed rivet NIT01A 4,0 x 11
4. Flashing OB47
5. Polyethylene tape (PES) TAS01F 4 x 20
6. Construction by design
7. Polyethylene tape (PES) TAS01B 3 x 10



5.

Flashings

100. Flashings dedicated for CORE[PIR] sandwich panels

Flashings dedicated for CORE PIR

Table of details

101. OB1 – Flashing OB1 masking the connection between sandwich panel and the ground beam

101. OB2 – Runway drip cap

102. OB3 – Runway drip cap

102. OB4 – Flashing OB4 masking the connection of sandwich panels in the corner

103. OB5 – Flashing OB5 masking the connection of sandwich panels lengthwise

103. OB6 – Flashing OB6 masking the attic finish

104. OB7 – Flashing bracket OB7 masking the attic finish

104. OB8 – Flashing OB8 masking the connection of sandwich panels with the wall from outside

105. OB9 – Flashing OB9 masking the connection of sandwich panels with the wall from inside

105. OB10 – Flashing OB10 masking the connection of sandwich panels in the inner corner

106. OB11 – Horizontal flashing OB11 masking the connection of sandwich panels with the window, window sill

106. OB12 – Flashing OB12 masking the connection of sandwich panels with the window from inside

107. OB13 – Flashing OB13, drip cap over-window

107. OB14 – Flashing OB14, drip cap bottom, over the window

108. OB15 – Vertical flashing OB15 masking the connection of sandwich panels with the window

108. OB16 – Horizontal flashing OB16 masking the connection of sandwich panels with the gate

109. OB17 – Horizontal flashing OB17 masking the connection of sandwich panels with the bottom gate

109. OB18 – Vertical flashing OB18 masking the connection of sandwich panels with the gate frame

110. OB19 – Flashing OB19 masking the connection of roof waterproofing with inner attic casing

110. OB20 – Flashing bracket OB20 masking the connection of the waterproofing of the roof with the inner casing of the attic

111. OB21 – Flashing OB21 masking the connection of roof sandwich panel with the internal gutter

111. OB22 – Flashing OB22 masking the connection of wall sandwich panel and roof panel from outside

112. OB23 – Flashing OB23 masking the connection of wall sandwich panel and roof panel from inside

112. OB24 – Runway drip cap

113. OB25 – Runway drip cap

113. OB26 – Flashing OB26 masking the connection of sandwich panels

114. OB27 – Flashing

114. OB28 – Flashing OB28, drip cap bottom, over the window

115. OB29 – Flashing OB29, drip cap

115. OB30 – Flashing OB30 masking the connection of sandwich panels in the inner corner

116. OB31 – Flashing OB31, drip cap over the window

116. OB32 – Flashing OB32, drip cap

117. OB33 – Horizontal flashing OB33 masking the connection of sandwich panels with the gate

117. OB34 – Vertical flashing OB34 masking the connection of sandwich panels with the gate

118. OB35 – Ridgepole flashing OB35

118. OB36 – Flashing OB36 under the ridgepole

119. OB37 – Flashing OB37 at the ridgepole

120. OB38 – Flashing OB38 masking the end of roof panel

120. OB39 – Flashing OB39 masking the connection of wall sandwich panel and roof panel from inside

121. OB40 – Flashing OB40 masking the gable of mono-pitched roof

121. OB41 – The flashing of roof eave

122. OB42 – The flashing of roof eave

122. OB43 – The flashing of roof eave

123. OB44 – Ridgepole flashing OB44

123. OB45 – Flashing

124. OB46 – Attic flashing OB46

124. OB47 – Flashing

125. OB48 – Flashing OB48 masking the connection of sandwich panels in the corner

125. OB49 – Flashing OB49 masking the connection of sandwich panels lengthwise

126. OB50 – Flashing OB50 masking the connection between sandwich panels in the inner corner from the inside

126. OB51 – Flashing OB51 masking the connection of sandwich panels in the inner corner from the inside

127. OC1 – OC1 Supporting profile L

127. OC2 – The profile supporting the sandwich panel

128. OC3 – The profile supporting the sandwich panel

128. OC4 – OC4 Gutter assembly flashing

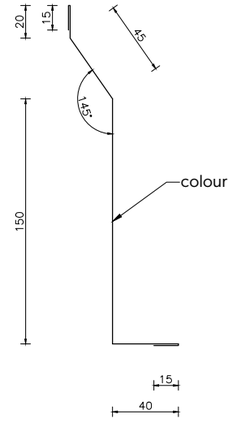
129. OC5 – Flashing OC5 bracket of attic flashing

129. WKR07A – Stress dissipater

129. WKR07B – Stress dissipater

VSS s.r.o.
Kmetova 26,
040 01 Kosice

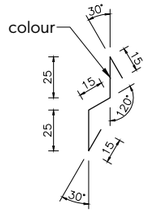
OB1 Flashing B1 masking the connection between sandwich panel and the ground beam



Standard sheet metal work with a thickness 0,5 mm						
No.	Name	RAL	Expansion	Length	Angle α	Weight
			[mm]	[mm]	[°]	[kg]
1	OB1		285	3000		3,36
Non-standard sheet metal work with a thickness of .... mm						

Flashing occurs in the details: DSH1, DSH2, DSV1, DSV2, DHH1, DHH2, DHV1, DHV2

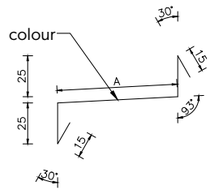
OB2 Runway drip cap



Standard sheet metal work with a thickness 0,5 mm						
No.	Name	RAL	Expansion	Length	Angle α	Weight
			[mm]	[mm]	[°]	[kg]
1	OB2		95	3000		1,12
Non-standard sheet metal work with a thickness of .... mm						

Flashing occurs in the details: DSH1

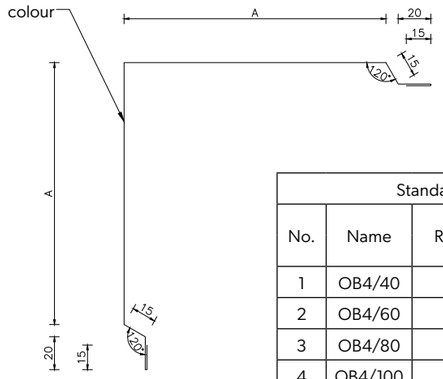
OB3 Runway drip cap



Standard sheet metal work with a thickness 0,5 mm							
No.	Name	RAL	A	Expansion	Length	Angle α	Weight
			[mm]	[mm]	[mm]	[°]	[kg]
1	OB3/40		33	113	3000		1,33
2	OB3/60		53	133	3000		1,57
3	OB3/80		73	153	3000		1,80
4	OB3/100		93	173	3000		2,04
5	OB3/120		113	193	3000		2,27
Non-standard sheet metal work with a thickness of .... mm							

Flashing occurs in the details: DSH2

OB4 Flashing OB4 masking the connection of sandwich panels in the corner



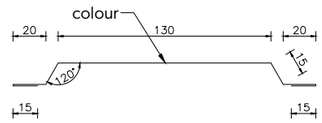
Standard sheet metal work with a thickness 0,5 mm							
No.	Name	RAL	A	Expansion	Length	Angle α	Weight
			[mm]	[mm]	[mm]	[°]	[kg]
1	OB4/40		120	340	3000		4,00
2	OB4/60		140	380	3000		4,47
3	OB4/80		160	420	3000		4,95
4	OB4/100		180	460	3000		5,42
5	OB4/120		200	500	3000		5,89
Non-standard sheet metal work with a thickness of .... mm							

Flashing occurs in the details: DSH3, DSV3, DHH3, DHV3

TECHNICAL CATALOGUE OF CORE PIR SANDWICH PANELS / Flashings

VSS s.r.o.
Kmetova 26,
040 01 Kosice

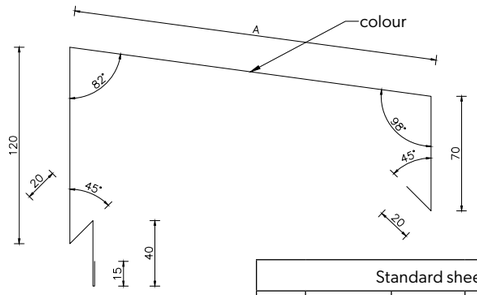
OB5 Flashing OB5 masking the connection of sandwich panels lengthwise



Standard sheet metal work with a thickness 0,5 mm						
No.	Name	RAL	Expansion	Length	Angle α	Weight
			[mm]	[mm]	[°]	[kg]
1	OB5		230	3000		2,71
Non-standard sheet metal work with a thickness of .... mm						

Flashing occurs in the details: DSH4, DHH4

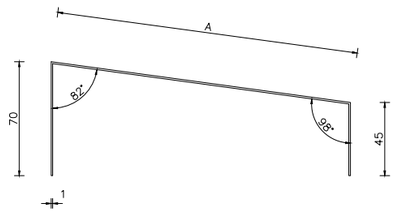
OB6 Flashing OB6 masking the attic finish



Standard sheet metal work with a thickness 0,5 mm							
No.	Name	RAL	A	Expansion	Length	Angle α	Weight
			[mm]	[mm]	[mm]	[°]	[kg]
1	OB6/40		183	468	3000		5,51
2	OB6/60		203	488	3000		5,75
3	OB6/80		223	508	3000		5,98
4	OB6/100		243	528	3000		6,22
5	OB6/120		263	548	3000		6,45
Non-standard sheet metal work with a thickness of .... mm							

Flashing occurs in the details: DSH5, DSV5, DHH5, DHV5

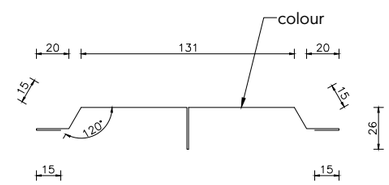
OB7 Flashing bracket OB7 masking the attic finish



Standard sheet metal work with a thickness 0,1 mm							
No.	Name	RAL	A	Expansion	Length	Angle α	Weight
			[mm]	[mm]	[mm]	[°]	[kg]
1	OB7/40		146	261	200		0,20
2	OB7/60		166	281	200		0,22
3	OB7/80		186	301	200		0,24
4	OB7/100		206	321	200		0,25
5	OB7/120		226	341	200		0,27
Non-standard sheet metal work with a thickness of .... mm							

Flashing occurs in the details: DSH5, DSV5, DHH5, DHV5

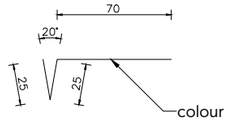
OB8 Flashing OB8 masking the connection of sandwich panels with the wall from outside



Standard sheet metal work with a thickness 0,5 mm						
No.	Name	RAL	Expansion	Length	Angle α	Weight
			[mm]	[mm]	[°]	[kg]
1	OB8		283	3000		3,33
Non-standard sheet metal work with a thickness of .... mm						

Flashing occurs in the details: DSH6, DSV6, DHH6, DHV6

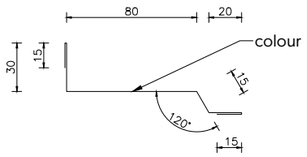
OB9 Flashing OB9 masking the connection of sandwich panels with the wall from inside



Standard sheet metal work with a thickness 0,5 mm						
No.	Name	RAL	Expansion	Length	Angle α	Weight
			[mm]	[mm]	[°]	[kg]
1	OB9		120	3000		1,41
Non-standard sheet metal work with a thickness of .... mm						

Flashing occurs in the details: DSH6, DSV6, DHH6, DHV6

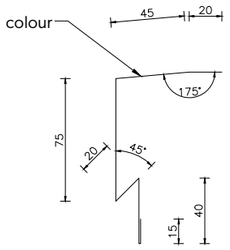
OB10 Flashing OB10 masking the connection of sandwich panels in the inner corner



Standard sheet metal work with a thickness 0,5 mm						
No.	Name	RAL	Expansion	Length	Angle α	Weight
			[mm]	[mm]	[°]	[kg]
1	OB10		175	3000		2,06
Non-standard sheet metal work with a thickness of .... mm						

Flashing occurs in the details: DSH7, DSV7, DHH7, DHV7

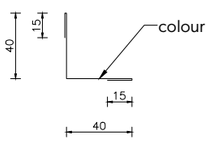
OB11 Horizontal flashing OB11 masking the connection of sandwich panels with the window, window sill



Standard sheet metal work with a thickness 0,5 mm						
No.	Name	RAL	Expansion	Length	Angle α	Weight
			[mm]	[mm]	[°]	[kg]
1	OB11		215	3000		2,53
Non-standard sheet metal work with a thickness of .... mm						

Flashing occurs in the details: DSH8, DSV8, DHH8, DHV8

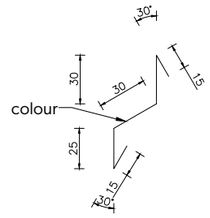
OB12 Flashing OB12 masking the connection of sandwich panels with the window from inside



Standard sheet metal work with a thickness 0,5 mm						
No.	Name	RAL	Expansion	Length	Angle α	Weight
			[mm]	[mm]	[°]	[kg]
1	OB12		110	3000		1,30
Non-standard sheet metal work with a thickness of .... mm						

Flashing occurs in the details: DR9

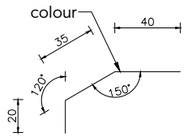
OB13 Flashing OB13, drip cap over-window



Standard sheet metal work with a thickness 0,5 mm						
No.	Name	RAL	Expansion	Length	Angle α	Weight
			[mm]	[mm]	[°]	[kg]
1	OB13		115	3000		1,35
Non-standard sheet metal work with a thickness of .... mm						

Flashing occurs in the details: DSH8

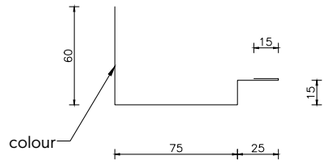
OB14 Flashing OB14, drip cap bottom, over the window



Standard sheet metal work with a thickness 0,5 mm						
No.	Name	RAL	Expansion	Length	Angle α	Weight
			[mm]	[mm]	[°]	[kg]
1	OB14		95	3000		1,12
Non-standard sheet metal work with a thickness of .... mm						

Flashing occurs in the details: DSH8

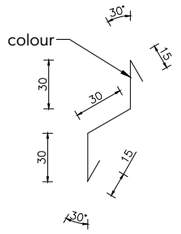
OB15 Vertical flashing OB15 masking the connection of sandwich panels with the window



Standard sheet metal work with a thickness 0,5 mm						
No.	Name	RAL	Expansion [mm]	Length [mm]	Angle α [°]	Weight [kg]
1	OB15		190	3000		2,24
Non-standard sheet metal work with a thickness of .... mm						

Flashing occurs in the details: DSH8, DSH9, DSV8, DSV9, DHH8, DHH9, DHV8, DHV9

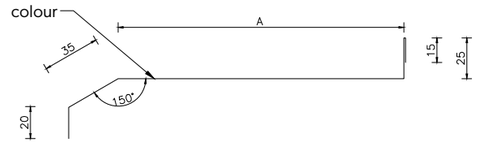
OB16 Horizontal flashing OB16 masking the connection of sandwich panels with the gate



Standard sheet metal work with a thickness 0,5 mm						
No.	Name	RAL	Expansion [mm]	Length [mm]	Angle α [°]	Weight [kg]
1	OB16		120	3000		1,41
Non-standard sheet metal work with a thickness of .... mm						

Flashing occurs in the details: DSH9

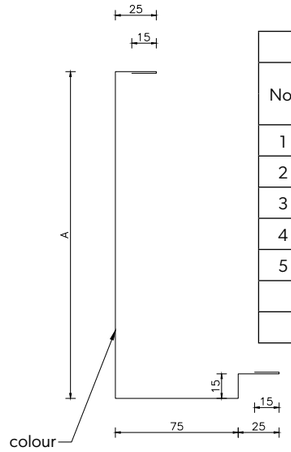
OB17 Horizontal flashing OB17 masking the connection of sandwich panels with the bottom gate



Standard sheet metal work with a thickness 0,5 mm							
No.	Name	RAL	A [mm]	Expansion [mm]	Length [mm]	Angle α [°]	Weight [kg]
1	OB17/40		135	230	3000		2,71
2	OB17/60		155	250	3000		2,94
3	OB17/80		175	270	3000		3,18
4	OB17/100		195	290	3000		3,41
5	OB17/120		215	310	3000		3,65
Non-standard sheet metal work with a thickness of .... mm							

Flashing occurs in the details: DSH10, DSV10, DHH10, DHV10

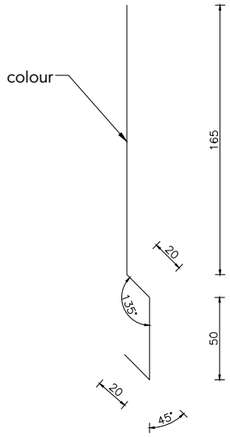
OB18 Vertical flashing OB18 masking the connection of sandwich panels with the gate frame



Standard sheet metal work with a thickness 0,5 mm							
No.	Name	RAL	A [mm]	Expansion [mm]	Length [mm]	Angle α [°]	Weight [kg]
1	OB18/40		160	330	3000		3,89
2	OB18/60		180	350	3000		4,12
3	OB18/80		200	370	3000		4,36
4	OB18/100		220	390	3000		4,59
5	OB18/120		240	410	3000		4,83
Non-standard sheet metal work with a thickness of .... mm							

Flashing occurs in the details: DSH10, DSV10, DHH10, DHV10

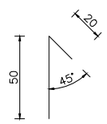
OB19 Flashing OB19 masking the connection of roof waterproofing with inner attic casing



Standard sheet metal work with a thickness 0,5 mm						
No.	Name	RAL	Expansion	Length	Angle α	Weight
			[mm]	[mm]	[°]	[kg]
1	OB19		255	3000		3,00
Non-standard sheet metal work with a thickness of .... mm						

Flashing occurs in the details: DSH11, DSV11, DHH11, DHV11

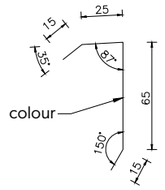
OB20 Flashing bracket OB20 masking the connection of the waterproofing of the roof with the inner casing of the attic



Standard sheet metal work with a thickness 0,5 mm						
No.	Name	RAL	Expansion	Length	Angle α	Weight
			[mm]	[mm]	[°]	[kg]
1	OB20		70	3000		0,82
Non-standard sheet metal work with a thickness of .... mm						

Flashing occurs in the details: DSH11, DSV11, DHH11, DHV11

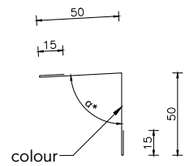
OB21 Flashing OB21 masking the connection of roof sandwich panel with the internal gutter



Standard sheet metal work with a thickness 0,5 mm						
No.	Name	RAL	Expansion	Length	Angle α	Weight
			[mm]	[mm]	[°]	[kg]
1	OB21		120	3000		1,41
Non-standard sheet metal work with a thickness of .... mm						

Flashing occurs in the details: DSH11, DSV11, DHH11, DHV11

OB22 Flashing OB22 masking the connection of wall sandwich panel and roof panel from outside

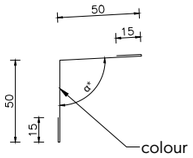


Standard sheet metal work with a thickness 0,5 mm						
No.	Name	RAL	Expansion	Length	Angle α	Weight
			[mm]	[mm]	[°]	[kg]
1	OB22		130	3000		1,53
Non-standard sheet metal work with a thickness of .... mm						

** – dimension depending on roof pitch*

Flashing occurs in the details: DSH12, DSV12, DHH12, DHV12, DR3, DR4, DR5

OB23 Flashing OB23 masking the connection of wall sandwich panel and roof panel from inside

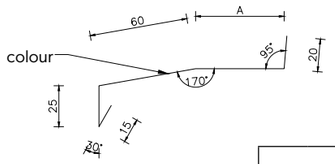


Standard sheet metal work with a thickness 0,5 mm						
No.	Name	RAL	Expansion [mm]	Length [mm]	Angle α [°]	Weight [kg]
1	OB23		130	3000		1,53
Non-standard sheet metal work with a thickness of .... mm						

** – dimension depending on roof pitch*

Flashing occurs in the details: DSH11, DSV11, DHH11, DHV11, DR3, DR4, DR5

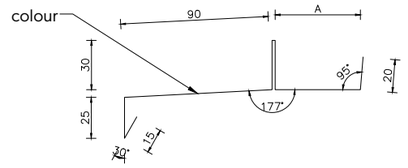
OB24 Runway drip cap



Standard sheet metal work with a thickness 0,5 mm							
No.	Name	RAL	A [mm]	Expansion [mm]	Length [mm]	Angle α [°]	Weight [kg]
1	OB24/40		14	134	3000		1,58
2	OB24/60		34	154	3000		1,81
3	OB24/80		54	174	3000		2,05
4	OB24/100		74	194	3000		2,28
5	OB24/120		94	214	3000		2,52
Non-standard sheet metal work with a thickness of .... mm							

Flashing occurs in the details: DSV1, DHV1

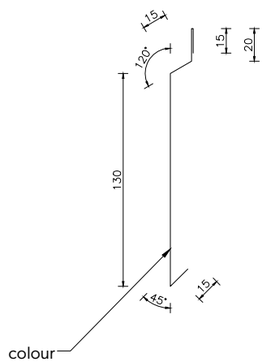
OB25 Runway drip cap



Standard sheet metal work with a thickness 0,5 mm							
No.	Name	RAL	A [mm]	Expansion [mm]	Length [mm]	Angle α [°]	Weight [kg]
1	OB25/40		12	222	3000		2,61
2	OB25/60		32	242	3000		2,85
3	OB25/80		52	262	3000		3,09
4	OB25/100		72	282	3000		3,32
5	OB25/120		92	302	3000		3,56
Non-standard sheet metal work with a thickness of .... mm							

Flashing occurs in the details: DSV2, DHV2

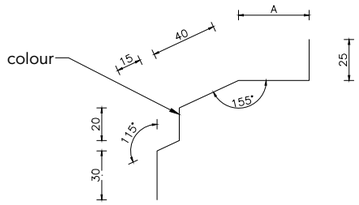
OB26 Flashing OB26 masking the connection of sandwich panels



Standard sheet metal work with a thickness 0,5 mm						
No.	Name	RAL	Expansion [mm]	Length [mm]	Angle α [°]	Weight [kg]
1	OB26		195	3000		2,30
Non-standard sheet metal work with a thickness of .... mm						

Flashing occurs in the details: DSV4, DHV4

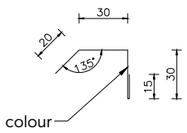
OB27 Flashing



Standard sheet metal work with a thickness 0,5 mm							
No.	Name	RAL	A	Expansion	Length	Angle α	Weight
			[mm]	[mm]	[mm]	[°]	[kg]
1	OB27/40		0	130	3000		1,53
2	OB27/60		24	154	3000		1,81
3	OB27/80		44	174	3000		2,05
4	OB27/100		64	194	3000		2,28
5	OB27/120		84	214	3000		2,52
Non-standard sheet metal work with a thickness of .... mm							

Flashing occurs in the details: DSV4, DHV4

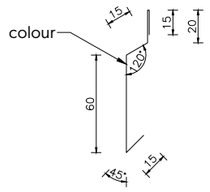
OB28 Flashing OB28, drip cap bottom, over the window



Standard sheet metal work with a thickness 0,5 mm						
No.	Name	RAL	Expansion	Length	Angle α	Weight
			[mm]	[mm]	[°]	[kg]
1	OB28		95	3000		1,12
Non-standard sheet metal work with a thickness of .... mm						

Flashing occurs in the details: DSV8, DSV9, DHV8, DHV9

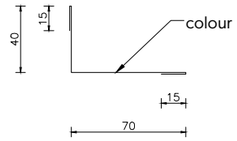
OB29 Flashing OB29, drip cap



Standard sheet metal work with a thickness 0,5 mm						
No.	Name	RAL	Expansion	Length	Angle α	Weight
			[mm]	[mm]	[°]	[kg]
1	OB29		125	3000		1,47
Non-standard sheet metal work with a thickness of .... mm						

Flashing occurs in the details: DSV8, DSV9, DHV8, DHV9

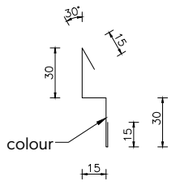
OB30 Flashing OB30 masking the connection of sandwich panels in the inner corner



Standard sheet metal work with a thickness 0,5 mm						
No.	Name	RAL	Expansion	Length	Angle α	Weight
			[mm]	[mm]	[°]	[kg]
1	OB30		140	3000		1,65
Non-standard sheet metal work with a thickness of .... mm						

Flashing occurs in the details: DHH7

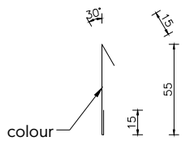
OB31 Flashing OB31, drip cap over the window



Standard sheet metal work with a thickness 0,5 mm						
No.	Name	RAL	Expansion [mm]	Length [mm]	Angle α [°]	Weight [kg]
1	OB31		105	3000		1,24
Non-standard sheet metal work with a thickness of .... mm						

Flashing occurs in the details: DHH8

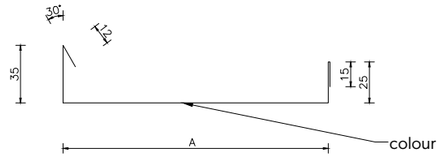
OB32 Flashing OB32, drip cap



Standard sheet metal work with a thickness 0,5 mm						
No.	Name	RAL	Expansion [mm]	Length [mm]	Angle α [°]	Weight [kg]
1	OB32		85	3000		1,00
Non-standard sheet metal work with a thickness of .... mm						

Flashing occurs in the details: DHH9

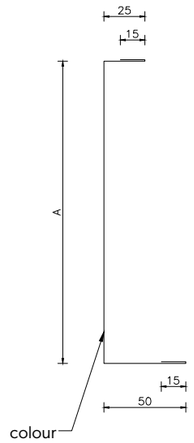
OB33 Horizontal flashing OB33 masking the connection of sandwich panels with the gate



Standard sheet metal work with a thickness 0,5 mm							
No.	Name	RAL	A [mm]	Expansion [mm]	Length [mm]	Angle α [°]	Weight [kg]
1	OB33/60		142	229	3000		2,70
2	OB33/80		162	249	3000		2,93
3	OB33/100		182	269	3000		3,17
4	OB33/120		202	289	3000		3,40
Non-standard sheet metal work with a thickness of .... mm							

Flashing occurs in the details: DHH10

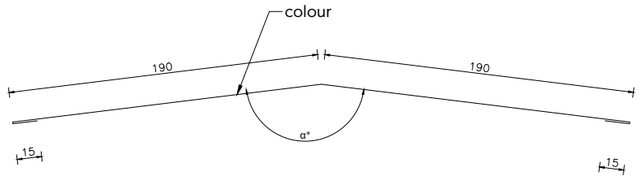
OB34 Vertical flashing OB34 masking the connection of sandwich panels with the gate



Standard sheet metal work with a thickness 0,5 mm							
No.	Name	RAL	A [mm]	Expansion [mm]	Length [mm]	Angle α [°]	Weight [kg]
1	OB34/60		145	250	3000		2,94
2	OB34/80		165	270	3000		3,18
3	OB34/100		185	290	3000		3,41
4	OB34/120		205	310	3000		3,65
Non-standard sheet metal work with a thickness of .... mm							

Flashing occurs in the details: DHH10

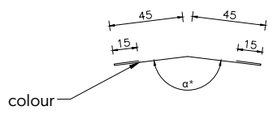
OB35 Ridgepole flashing



Standard sheet metal work with a thickness 0,5 mm						
No.	Name	RAL	Expansion [mm]	Length [mm]	Angle α [°]	Weight [kg]
1	OB35A		410	3000	169	4,83
2	OB35B		410	3000	157	4,83
Non-standard sheet metal work with a thickness of .... mm						

Flashing occurs in the details: DR2

OB36 Flashing OB36 under the ridgepole



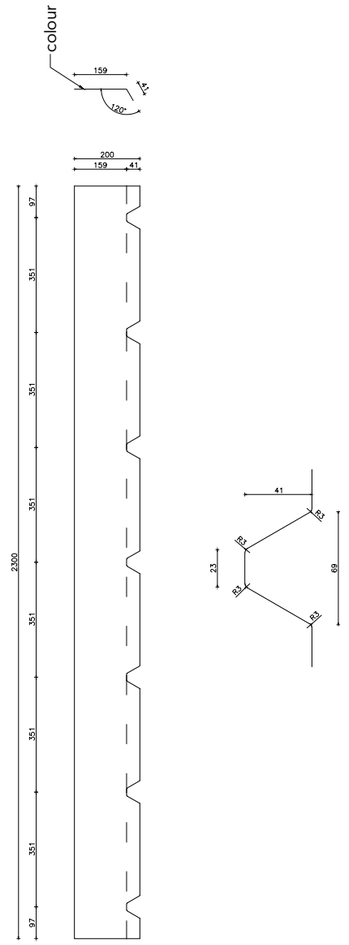
Standard sheet metal work with a thickness 0,5 mm						
No.	Name	RAL	Expansion [mm]	Length [mm]	Angle α [°]	Weight [kg]
1	OB36A		120	3000	169	1,41
2	OB36B		120	3000	157	1,41
Non-standard sheet metal work with a thickness of .... mm						

Flashing occurs in the details: DR2

TECHNICAL CATALOGUE OF CORE PIR SANDWICH PANELS / Flashings

VSS s.r.o.
Kmetova 26,
040 01 Kosice

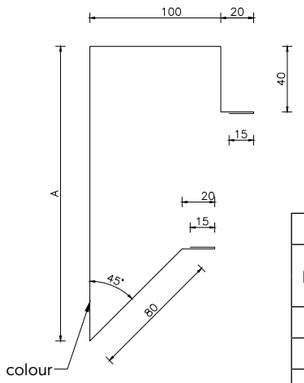
OB37 Flashing OB37 at the ridgepole



Standard sheet metal work with a thickness 0,5 mm						
No.	Name	RAL	Expansion [mm]	Length [mm]	Angle α [°]	Weight [kg]
1	OB37		200	2300		1,81
Non-standard sheet metal work with a thickness of .... mm						

Flashing occurs in the details: DR2, DR3, DR8, DR10

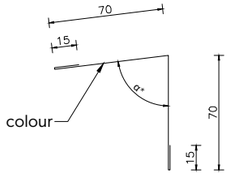
OB38 Flashing OB38 masking the end of roof panel



Standard sheet metal work with a thickness 0,5 mm							
No.	Name	RAL	A	Expansion	Length	Angle α	Weight
			[mm]	[mm]	[mm]	[°]	[kg]
1	OB38/40		140	430	3000		5,06
2	OB38/60		160	450	3000		5,30
3	OB38/80		180	470	3000		5,53
4	OB38/100		200	490	3000		5,77
5	OB38/120		220	510	3000		6,01
6	OB38/160		260	550	3000		6,48
Non-standard sheet metal work with a thickness of .... mm							

Flashing occurs in the details: DR6

OB39 Flashing OB39 masking the connection of wall sandwich panel and roof panel from inside



Standard sheet metal work with a thickness 0,5 mm						
No.	Name	RAL	Expansion	Length	Angle α	Weight
			[mm]	[mm]	[°]	[kg]
1	OB39		170	3000		2,00
Non-standard sheet metal work with a thickness of .... mm						

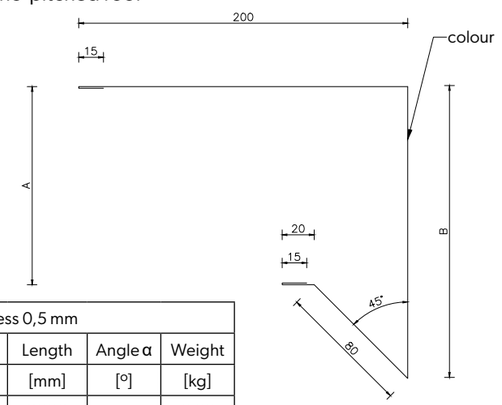
** – dimension depending on roof pitch*

Flashing occurs in the details: DR8

TECHNICAL CATALOGUE OF CORE PIR SANDWICH PANELS / Flashings

VSS s.r.o.
Kmetova 26,
040 01 Kosice

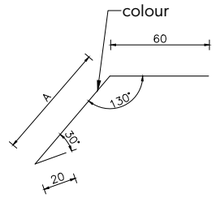
OB40 Flashing OB40 masking the gable of mono-pitched roof



Standard sheet metal work with a thickness 0,5 mm								
No.	Name	RAL	A	B	Expansion	Length	Angle α	Weight
			[mm]	[mm]	[mm]	[mm]	[°]	[kg]
1	OB40/40		80	137	537	3000		6,32
2	OB40/60		100	157	577	3000		6,79
3	OB40/80		120	177	617	3000		7,27
4	OB40/100		140	197	657	3000		7,74
5	OB40/120		160	217	697	3000		8,21
6	OB40/160		200	257	777	3000		9,15
Non-standard sheet metal work with a thickness of .... mm								

Flashing occurs in the details: DR3

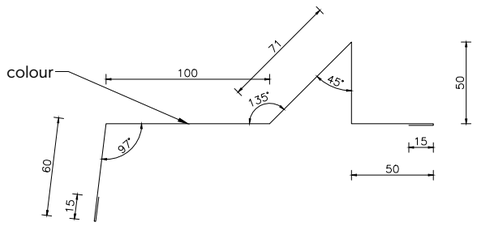
OB41 The flashing of roof eave



Standard sheet metal work with a thickness 0,5 mm							
No.	Name	RAL	A	Expansion	Length	Angle α	Weight
			[mm]	[mm]	[mm]	[°]	[kg]
1	OB41/40		40	110	3000		1,30
2	OB41/60		60	130	3000		1,53
3	OB41/80		80	150	3000		1,77
4	OB41/100		100	170	3000		2,00
5	OB41/120		120	190	3000		2,24
6	OB41/160		160	210	3000		2,47
Non-standard sheet metal work with a thickness of .... mm							

Flashing occurs in the details: DR4

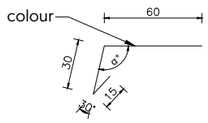
OB42 The flashing of roof eave



Standard sheet metal work with a thickness 0,5 mm						
No.	Name	RAL	Expansion	Length	Angle α	Weight
			[mm]	[mm]	[°]	[kg]
1	OB42		361	3000		4,25
Non-standard sheet metal work with a thickness of .... mm						

Flashing occurs in the details: DR4, DR5

OB43 The flashing of roof eave



Standard sheet metal work with a thickness 0,5 mm						
No.	Name	RAL	Expansion	Length	Angle α	Weight
			[mm]	[mm]	[°]	[kg]
1	OB43		105	3000		1,24
Non-standard sheet metal work with a thickness of .... mm						

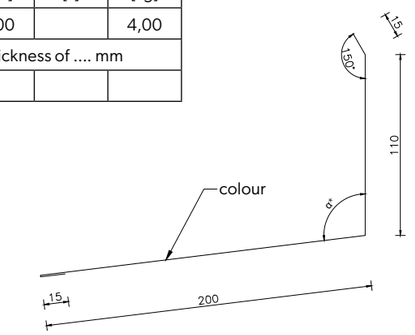
** – dimension depending on roof pitch*

Flashing occurs in the details: DR5

OB44 Ridgepole flashing

Standard sheet metal work with a thickness 0,5 mm						
No.	Name	RAL	Expansion	Length	Angle α	Weight
			[mm]	[mm]	[°]	[kg]
1	OB44		340	3000		4,00
Non-standard sheet metal work with a thickness of .... mm						

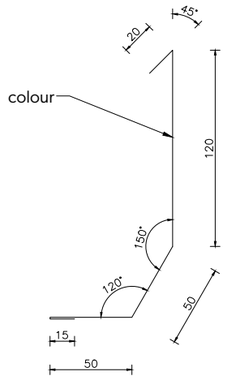
** – dimension depending on roof pitch*



Flashing occurs in the details: DR8

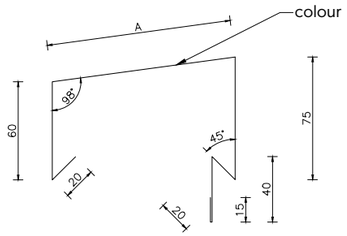
OB45 Flashing

Standard sheet metal work with a thickness 0,5 mm						
No.	Name	RAL	Expansion	Length	Angle α	Weight
			[mm]	[mm]	[°]	[kg]
1	OB45		255	3000		3,00
Non-standard sheet metal work with a thickness of .... mm						



Flashing occurs in the details: DR9

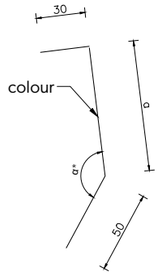
OB46 Attic flashing



Standard sheet metal work with a thickness 0,5 mm							
No.	Name	RAL	A	Expansion	Length	Angle α	Weight
			[mm]	[mm]	[mm]	[°]	[kg]
1	OB46/40		73	303	3000		3,57
2	OB46/60		93	323	3000		3,30
3	OB46/80		113	343	3000		4,04
4	OB46/100		133	363	3000		4,27
5	OB46/120		153	383	3000		4,51
6	OB46/160		193	423	3000		4,98
Non-standard sheet metal work with a thickness of .... mm							

Flashing occurs in the details: DR9, DR11

OB47 Flashing



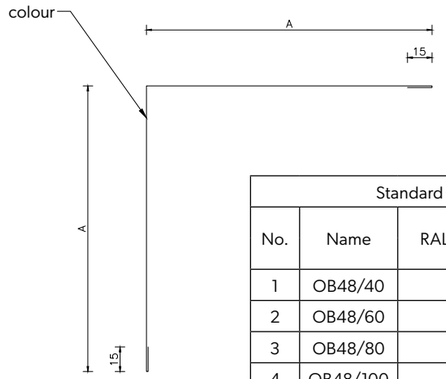
Standard sheet metal work with a thickness 0,5 mm							
No.	Name	RAL	A	Expansion	Length	Angle α	Weight
			[mm]	[mm]	[mm]	[°]	[kg]
1	OB47/40		40	120	3000		1,41
2	OB47/60		60	140	3000		1,65
3	OB47/80		80	160	3000		1,88
4	OB47/100		100	180	3000		2,12
5	OB47/120		120	200	3000		2,36
6	OB47/160		160	240	3000		2,83
Non-standard sheet metal work with a thickness of .... mm							

Flashing occurs in the details: DR12

TECHNICAL CATALOGUE OF CORE PIR SANDWICH PANELS / Flashings

VSS s.r.o.
Kmetova 26,
040 01 Kosice

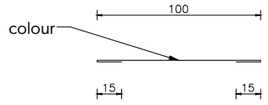
OB48 Flashing OB48 masking the connection of sandwich panels in the corner



Standard sheet metal work with a thickness 0,5 mm							
No.	Name	RAL	A	Expansion	Length	Angle α	Weight
			[mm]	[mm]	[mm]	[°]	[kg]
1	OB48/40		135	300	3000		3,53
2	OB48/60		155	340	3000		4,00
3	OB48/80		175	380	3000		4,47
4	OB48/100		195	420	3000		4,95
5	OB48/120		215	460	3000		5,42
Non-standard sheet metal work with a thickness of .... mm							

Flashing occurs in the details: DHH3A

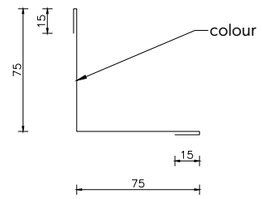
OB49 Flashing OB49 masking the connection of sandwich panels lengthwise



Standard sheet metal work with a thickness 0,5 mm						
No.	Name	RAL	Expansion	Length	Angle α	Weight
			[mm]	[mm]	[°]	[kg]
1	OB49		130	3000		1,53
Non-standard sheet metal work with a thickness of .... mm						

Flashing occurs in the details: DHH4A

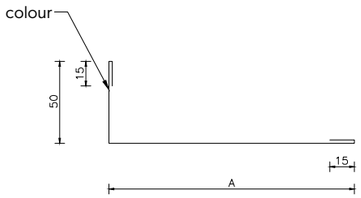
OB50 Flashing OB50 masking the connection between sandwich panels in the inner corner from the inside



Standard sheet metal work with a thickness 0,5 mm						
No.	Name	RAL	Expansion	Length	Angle α	Weight
			[mm]	[mm]	[°]	[kg]
1	OB50		180	3000		2,12
Non-standard sheet metal work with a thickness of .... mm						

Flashing occurs in the details: DSV3, DHV3

OB51 Flashing OB51 masking the connection of sandwich panels in the inner corner from the inside



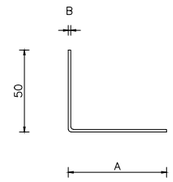
Standard sheet metal work with a thickness 0,5 mm							
No.	Name	RAL	A	Expansion	Length	Angle α	Weight
			[mm]	[mm]	[mm]	[°]	[kg]
1	OB51/40		110	190	3000		2,24
2	OB51/60		130	210	3000		2,47
3	OB51/80		150	230	3000		2,71
4	OB51/100		170	250	3000		2,94
5	OB51/120		190	270	3000		3,18
Non-standard sheet metal work with a thickness of .... mm							

Flashing occurs in the details: DSV7, DHV7

TECHNICAL CATALOGUE OF CORE PIR SANDWICH PANELS / Flashings

VSS s.r.o.
Kmetova 26,
040 01 Kosice

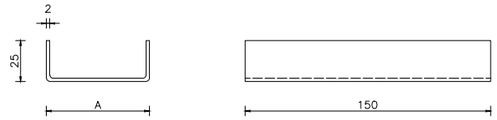
OC1 Supporting profile L



1.5 mm thick sheet metal work						
No.	Name	Galvanised	A	Expansion	Length	Weight
			[mm]	[mm]	[mm]	[kg]
1	OC1/40		20	70	3000	2,47
2	OC1/60		40	90	3000	3,18
3	OC1/80		60	110	3000	3,89
4	OC1/100		80	130	3000	4,59
5	OC1/120		100	150	3000	5,30

Flashing occurs in the details: DSH1, DSH2, DSH8, DSH9, DSH10, DSV1, DSV2, DSV8, DSV9, DSV10, DHH1, DHH2, DHH10, DHV1, DHV8, DHV9, DHV10

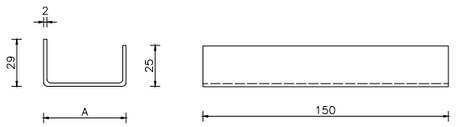
OC2 The profile supporting the sandwich panel



2.0 mm thick sheet metal work						
No.	Name	Galvanised	A	Expansion	Length	Weight
			[mm]	[mm]	[mm]	[kg]
1	OC2/40		23	73	150	0,17
2	OC2/60		43	93	150	0,22
3	OC2/80		63	113	150	0,27
4	OC2/100		83	133	150	0,31
5	OC2/120		103	153	150	0,36

Flashing occurs in the details: DSH1, DSH2, DSH8, DSH9, DHH8, DHH9

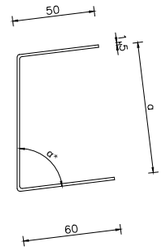
OC3 The profile supporting the sandwich panel



2.0 mm thick sheet metal work						
No.	Name	Galvanised	A	Expansion	Length	Weight
			[mm]	[mm]	[mm]	[kg]
1	OC3/60		30	84	150	0,20
2	OC3/80		50	104	150	0,24
3	OC3/100		70	124	150	0,29
4	OC3/120		90	144	150	0,34

Flashing occurs in the details: DHH1, DHH2, DHH8, DHH9, DHH10

OC4 Gutter assembly flashing



1.5 mm thick sheet metal work						
No.	Name	Galvanised	A	Expansion	Length	Weight
			[mm]	[mm]	[mm]	[kg]
1	OC4/80		80	190	3000	6,71
2	OC4/100		100	210	3000	7,42
3	OC4/120		120	230	3000	8,12
4	OC4/160		160	270	3000	9,54

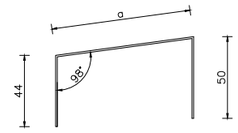
** – dimension depending on roof pitch*

Flashing occurs in the details: DR4

TECHNICAL CATALOGUE OF CORE PIR SANDWICH PANELS / Flashings

VSS s.r.o.
Kmetova 26,
040 01 Kosice

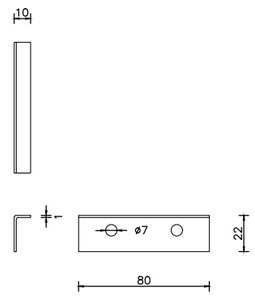
OC5 Flashing OC5 bracket of attic flashing



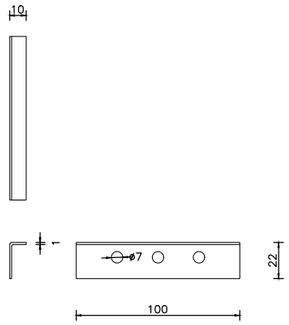
1.0 mm thick sheet metal work						
No.	Name	Galvanised	A	Expansion	Length	Weight
			[mm]	[mm]	[mm]	[kg]
1	OC5/40		45	139	200	0,22
2	OC5/60		65	159	200	0,50
3	OC5/80		85	179	200	0,56
4	OC5/100		105	199	200	0,62
5	OC5/120		125	219	200	0,69

Flashing occurs in the details: DR9, DR11

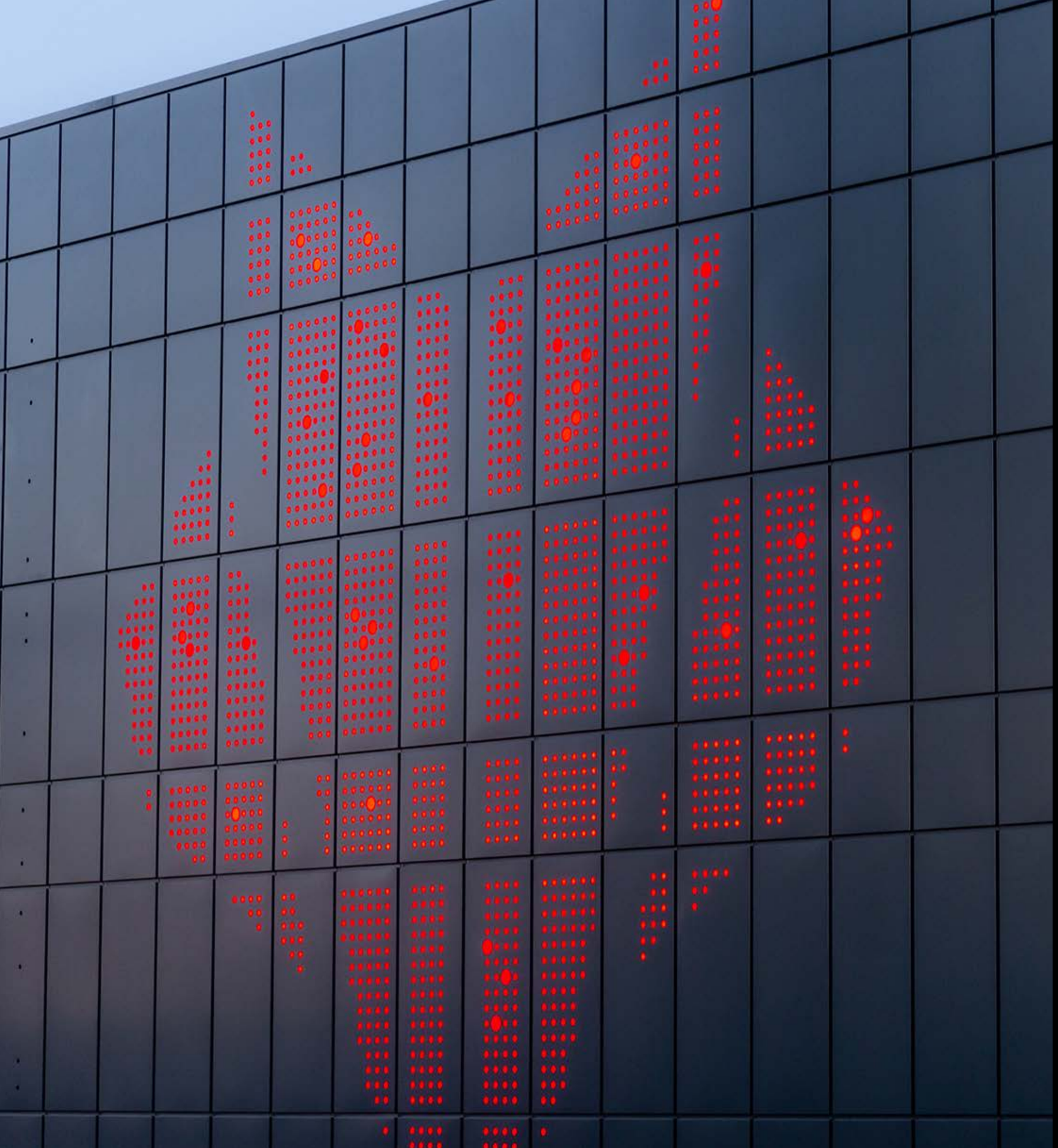
WKR07A Stress dissipater



WKR07B Stress dissipater



Flashing occurs in the details: DHH, DHV



6.

Contact details

Contact

VSS s.r.o.
Južná Trieda 1598/82
040 17 Košice, Slovakia

www.vss.sk

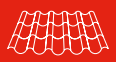
- Sales representatives
- Technical consultancy

All numerical values and physicochemical characteristics of products given in the catalogue are exclusively indicative and illustrative. The manufacturer is not responsible for any errors in the editing and printing of this catalogue and for possible changes in the technical parameters of the products presented in it.

This catalogue is an invitation to make an offer as understood by article 14 point 2 of the United Nations Convention on Contracts for the International Sale of Goods.

Modular roofing tiles
MODULAR SERIES

Compact roofing tiles
COMPACT SERIES



Steel roofing tiles
CLASSIC SERIES

Retro roof tiles
RETRO SERIES

Roof panels
PANEL SERIES

INTEGRATED
PV PANELS

Steel roof gutter system
INGURI

TRAPEZOIDAL
SHEETS

STRUCTURAL
PROFILES

FLAT METAL
SHEETS

FLASHINGS

ACCESORIES

Roof Sandwich
PANELS

Wall Sandwich
PANELS

Facade cladding
SKRIN, LINEA

Uncoiling and slitting
SERVICES

Flat sheets and cutting
SERVICES

PERFORATION
of sheets

BP2 VSS SOLROOF