

tempio

BASIC SKIN

FK SYSTEM *Discontinuous*

Technical catalogue

www.tempio.es

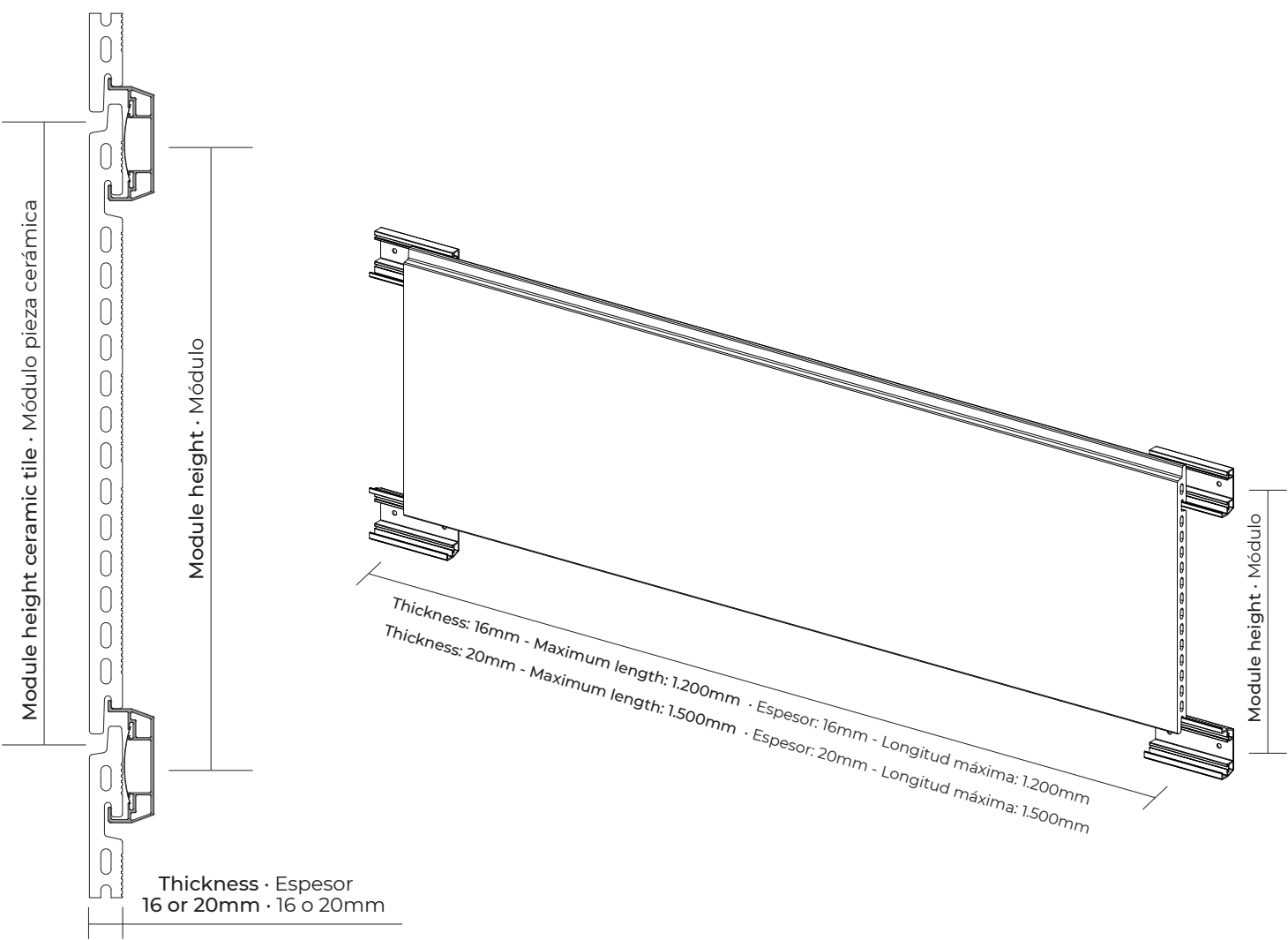


Index

Índice

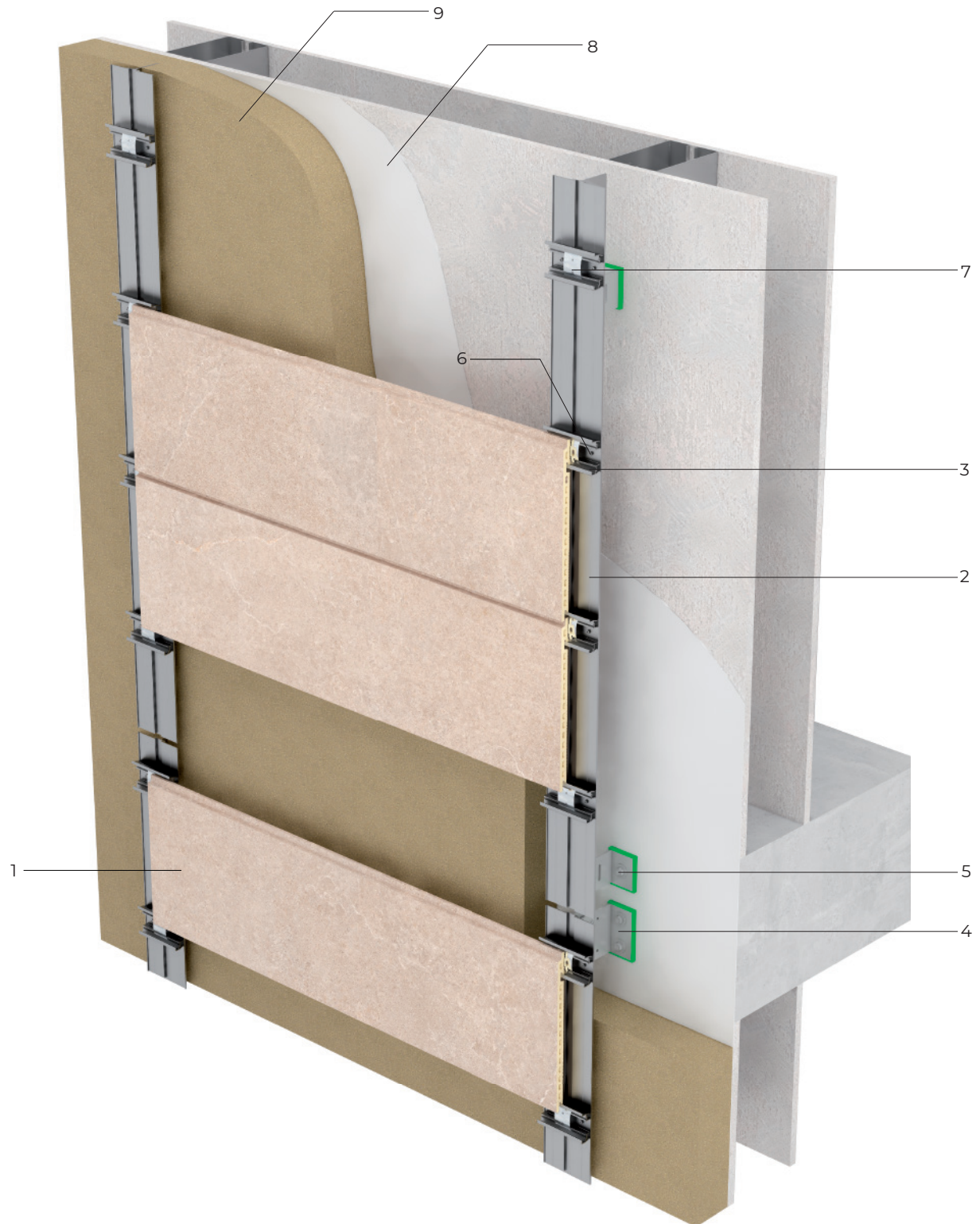
		Ceramic lintel detail	
		Detalle dintel cerámico	14
FK Tile			
Pieza FK	4	Side termination detail	
		Detalle terminación lateral	15
Perspective			
Perspectiva	5	Metallic and ceramic sill details	
		Detalles vierteaguas cerámico y metálico	16
System back view			
Vista trasera del sistema	6	Mitre cut corner detail	
		Detalle esquina inglete	17
Joints			
Juntas	7	Dilatation joint detail	
		Detalle junta dilatación	18
Corner detail			
(Vertical continuous joint)	8	Intersection between façade and wall	
		Detalle intersección entre fachada y muro	19
Spring fixation			
Fijación con muelle	9	Firestop barrier detail	
		Detalle barrera cortafuegos	20
Adhesive fixation			
Fijación con adhesivo	10	Starter façade detail	
		Detalle arranque fachada	21
Replacement detail			
Detalle reemplazamiento	11	Technical data sheet	
		Ficha técnica	22
Metallic coping detail			
Detalle coronación metálico	12		
Metallic lintel detail			
Detalle dintel metálico	13		

Our FK tile · Nuestra pieza FK



Available molds · Moldes disponibles

	FK-16	FK-20	FK-L 1/16	FK-L 1/20	FK-L 2/16	FK-L 3/16	FK-L 4/16	FK-O 8/20	FK-L 59/16	FK-1BA 5/16	FK-1BB 5/16	FK-2B 5/16
300mm	✓	✓	✓	✓	✓	□	✓	✓	□	✓	✓	✓
400mm	✓	✓	✓	✓	□	✓	□	□	□	□	□	□
450mm	✓	□	□	□	□	□	□	□	□	□	□	□
500mm	✓	✓	✓	□	□	□	□	□	□	□	✓	✓
600mm	□	✓	□	□	□	□	□	□	□	□	□	□
Length piece/mm Largo pieza/mm	<1200	<1500	<1200	<1500	<1200	<1200	<1200	<1500	<1200	<1200	<1200	<1200
Weight/peso - kg/m²	28.5	33.0	28.5	33.0	28.5	28.5	28.5	30.0	28.0	30.0	30.0	32.0



Perspective · Perspectiva

1. Tempio FK16 tile
Pieza Tempio FK16

2. Vertical T profile 105x60mm
Perfil vertical T 105x60mm

3. Tempio Horizontal intermediate clamp
22x59mm
Grapa horizontal intermedia Tempio
22x59mm

4. Sustaining bracket
Escuadra de sustentación

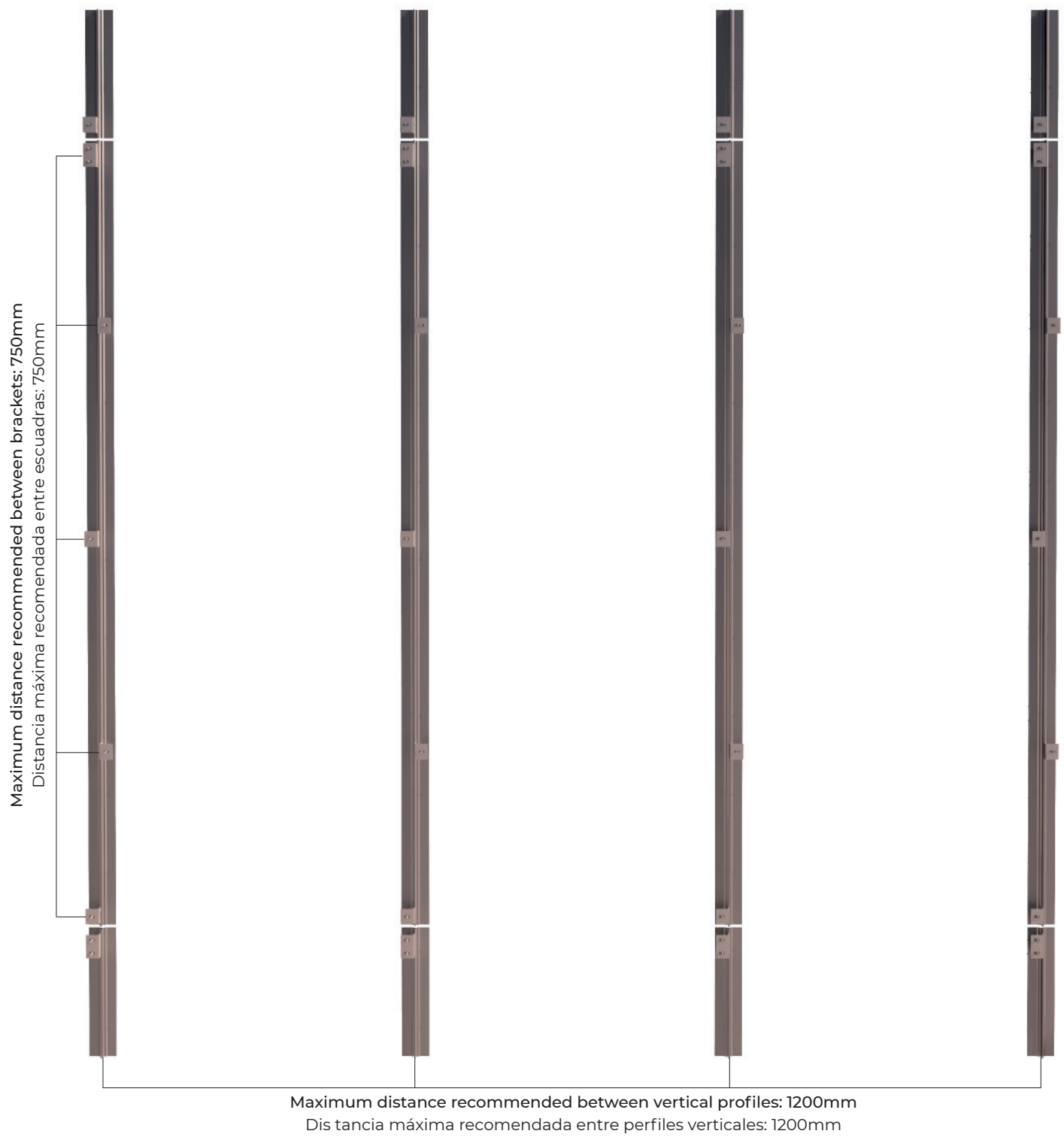
5. Retaining bracket
Escuadra de retención

6. Stainless steel self drilling screw 5,5x25mm
(not coated)
Tornillos autotaladrantes de acero inoxidable
5,5x25mm (sin recubrimiento)

7. Muelle FK
FK spring

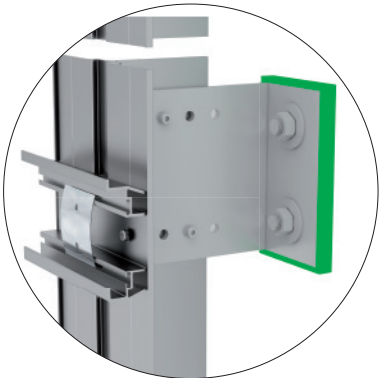
8. Waterproof layer
Lámina impermeable

9. Insulation
Aislamiento

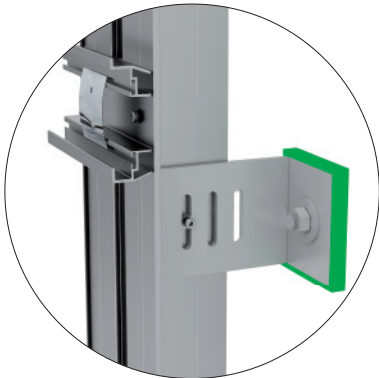


System back view · Vista trasera del sistema

Sustaining bracket
Escuadra sustentación



Retaining bracket
Escuadra retención





JOINTS · Juntas

DETAIL A
Detalle A

Junta between vertical
profiles: 10mm
Junta entre perfiles
verticales: 10mm



DETAIL A
Detalle A



Corner detail (continuous vertical joint) ·
Detalle esquina (junta vertical continua)

1. Tempio FK16 tile cut at 45°
Pieza Tempio FK16 cortada a 45°



Spring fixation · Fijación muelle

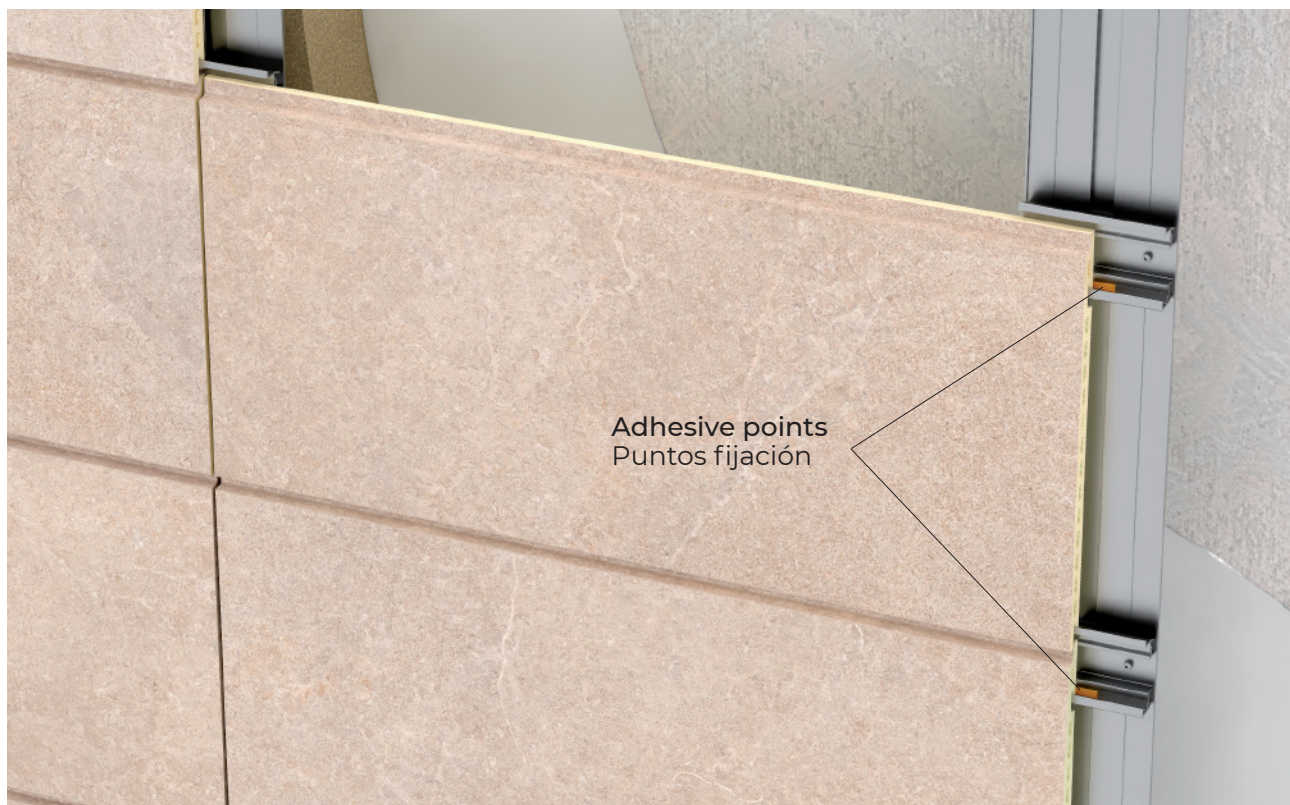
· IMPORTANT:

The installation of Tempio must be done resting the bottom side of the tile on the horizontal profile.

· IMPORTANTE:

La instalación de Tempio se debe realizar apoyando la parte inferior de la pieza en el perfil horizontal.

Two adhesive points of 3cm approx.
Dos puntos de adhesivo de 3cm aprox.



Adhesive fixation · Fijación con adhesivo

· NOTE:

Place adhesive MS Fischer according to manufacturer's instructions. Environment use temperature $+5^{\circ}\text{C} < t < +35^{\circ}\text{C}$

In very cold conditions you can place adhesive SIKASEAL-174 according to manufacturer's instructions. Environment use temperature $-40^{\circ}\text{C} < t < +150^{\circ}\text{C}$

· NOTA:

Colocar el adhesivo MS Fischer según instrucciones del fabricante. Temperatura (t) ambiente de colocación $+5^{\circ}\text{C} < t < +35^{\circ}\text{C}$

En condiciones extremas de frío se puede colocar el adhesivo SIKASEAL-174 según instrucciones del fabricante. Temperatura (t) ambiente de colocación $-40^{\circ}\text{C} < t < +150^{\circ}\text{C}$

· IMPORTANT:

The installation of Tempio must be done resting the bottom side of the tile on the horizontal profile.

· IMPORTANTE:

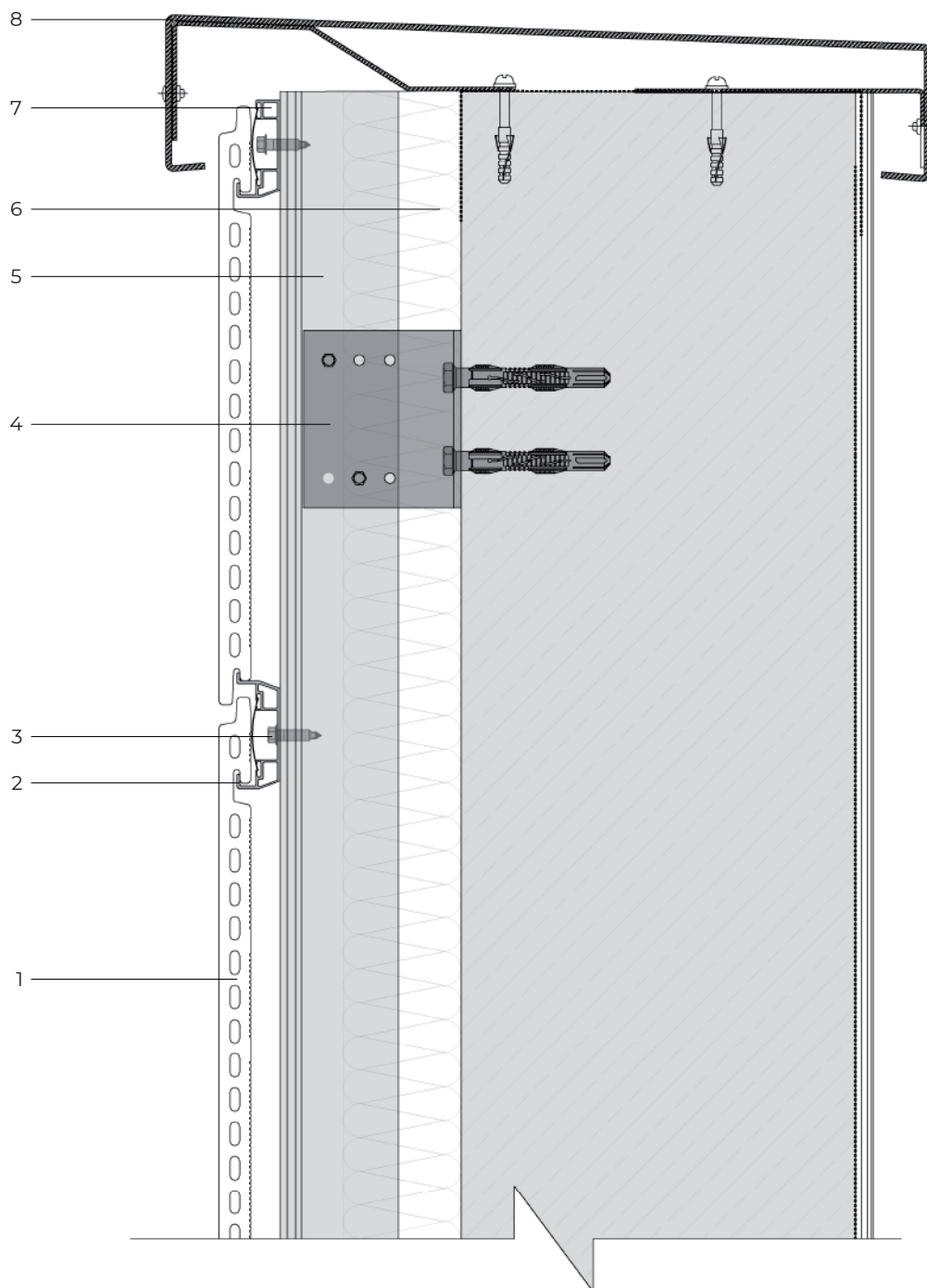
La instalación de Tempio se debe realizar apoyando la parte inferior de la pieza en el perfil horizontal.



Replacement · Reemplazamiento

Our system has been layed out so that tiles can be replaced easily, without having to remove the whole façade.

Nuestro sistema está diseñado para que las piezas puedan ser reemplazadas de forma sencilla, sin necesidad de desmontar la fachada completa.



Metallic coping detail · Detalle coronación metálico

1. Tempio FK16 tile
Pieza Tempio FK16

2. Tempio horizontal intermediate clamp
22x59mm
Grapa horizontal intermedia Tempio
22x59mm

3. Stainless steel self drilling screw 5,5x25mm
(not coated)
Tornillos autotaladrantes de acero inoxidable
5,5x25mm (sin recubrimiento)

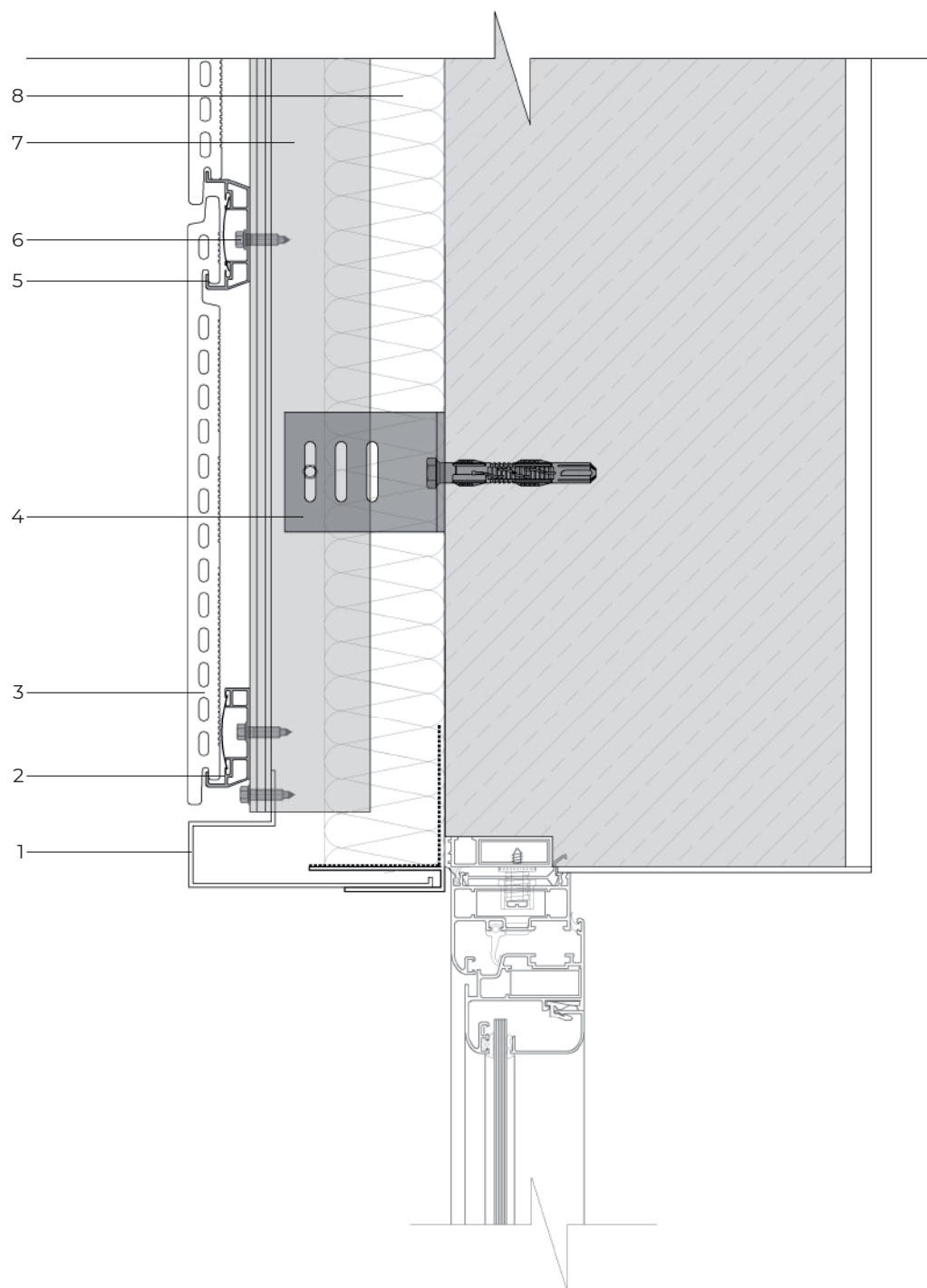
4. Sustaining bracket
Escuadra sustentación

5. Vertical T profile 105x60mm
Perfil vertical T 105x60mm

6. Insulation
Aislamiento

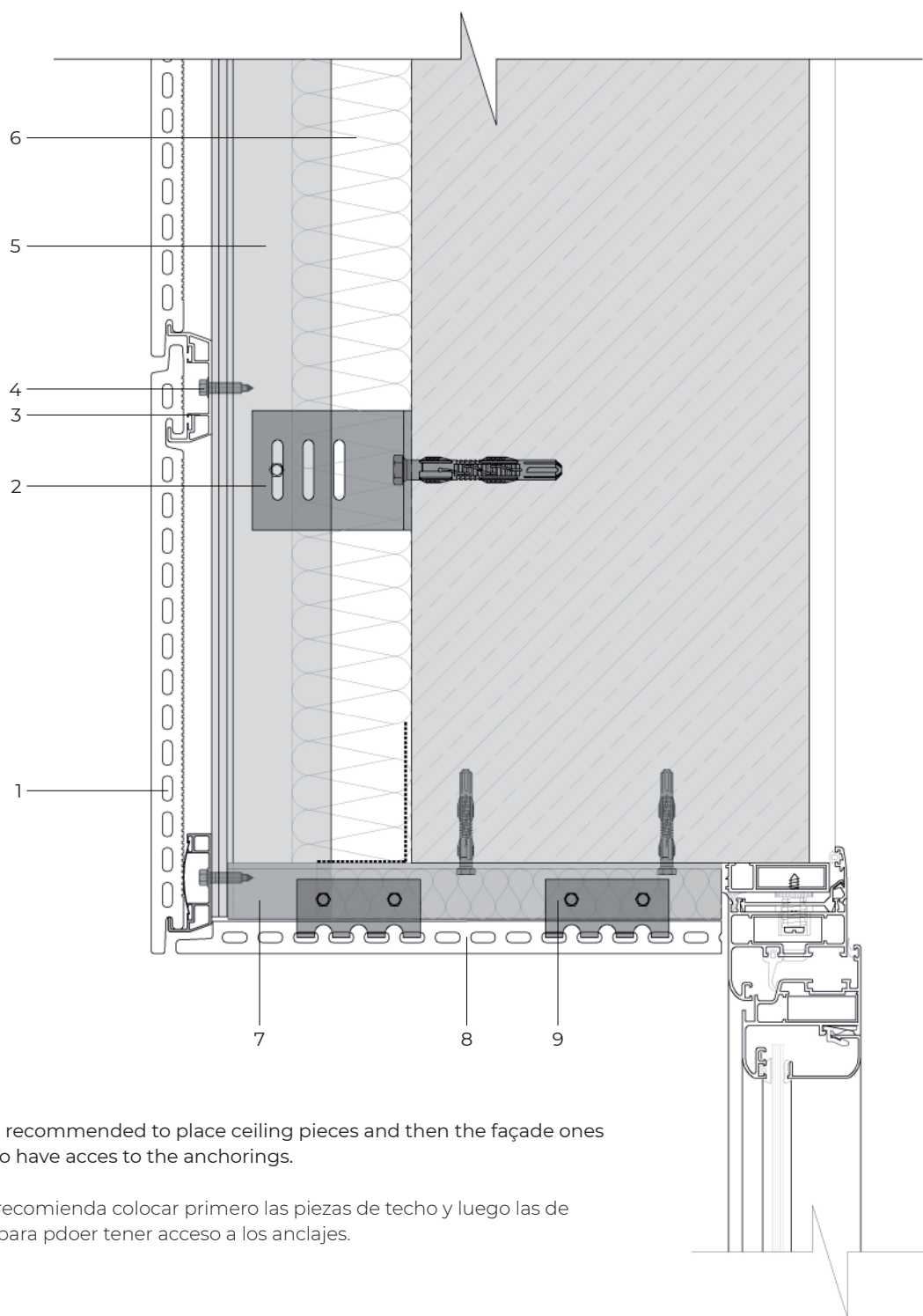
7. Tempio horizontal starter clamp 22x50mm
Grapa horizontal arranque Tempio 22x50mm

8. Metallic coping
Coronación metálica



Metallic lintel detail · Detalle dintel metálico

- | | |
|--|--|
| <p>1. Metallic lintel
Dintel metálico</p> <p>2. Tempio horizontal starter clamp 22x50mm
Grapa horizontal arranque Tempio 22x50mm</p> <p>3. Tempio FK16 tile
Pieza Tempio FK16</p> <p>4. Retaining bracket
Escuadra retención</p> <p>5. Tempio Horizontal intermediate clamp 22x59mm
Grapa horizontal intermedia Tempio 22x59mm</p> | <p>6. Stainless steel self drilling screw 5,5x25mm (not coated)
Tornillos autotaladrantes de acero inoxidable 5,5x25mm (sin recubrimiento)</p> <p>7. Vertical T profile 105x60mm
Perfil vertical T 105x60mm</p> <p>8. Insulation
Aislamiento</p> |
|--|--|



Note: It is recommended to place ceiling pieces and then the façade ones in order to have access to the anchorings.

Nota: Se recomienda colocar primero las piezas de techo y luego las de fachada, para poder tener acceso a los anclajes.

Ceramic lintel detail · Detalle dintel cerámico

Tornillos autotaladrantes de acero inoxidable 5,5x25mm (sin recubrimiento)

1. Tempio FK16 tile
Pieza Tempio FK16

5. Vertical T profile 105x60mm
Perfil vertical T 105x60mm

2. Retaining bracket
Escuadra retención

6. Insulation
Aislamiento

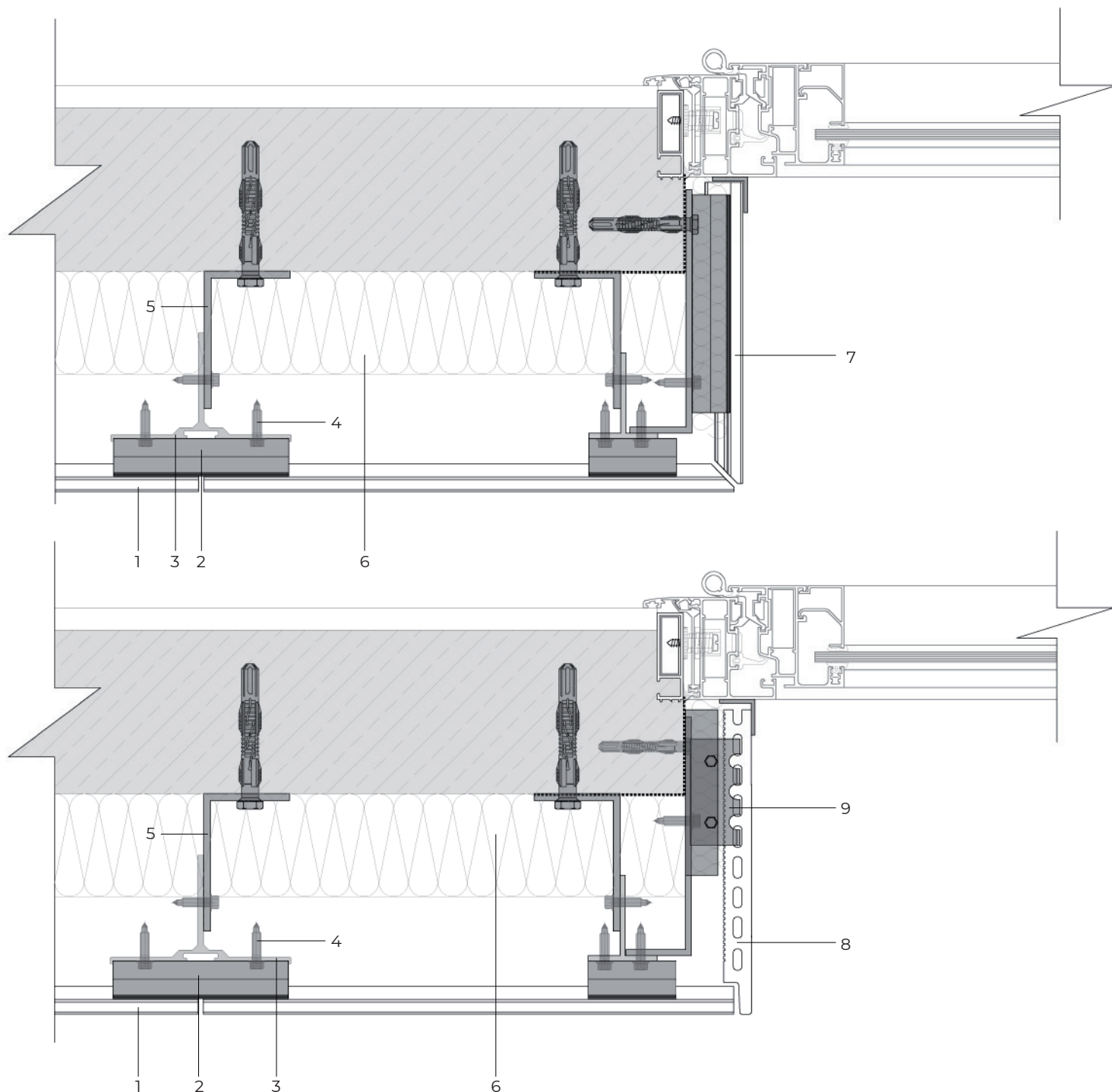
3. Tempio horizontal intermediate clamp
22x59mm
Grapa horizontal intermedia Tempio
22x59mm

7. L profile
Perfil en L

8. Ceramic lintel
Dintel cerámico

4. Stainless steel self drilling screw 5,5x25mm
(not coated)

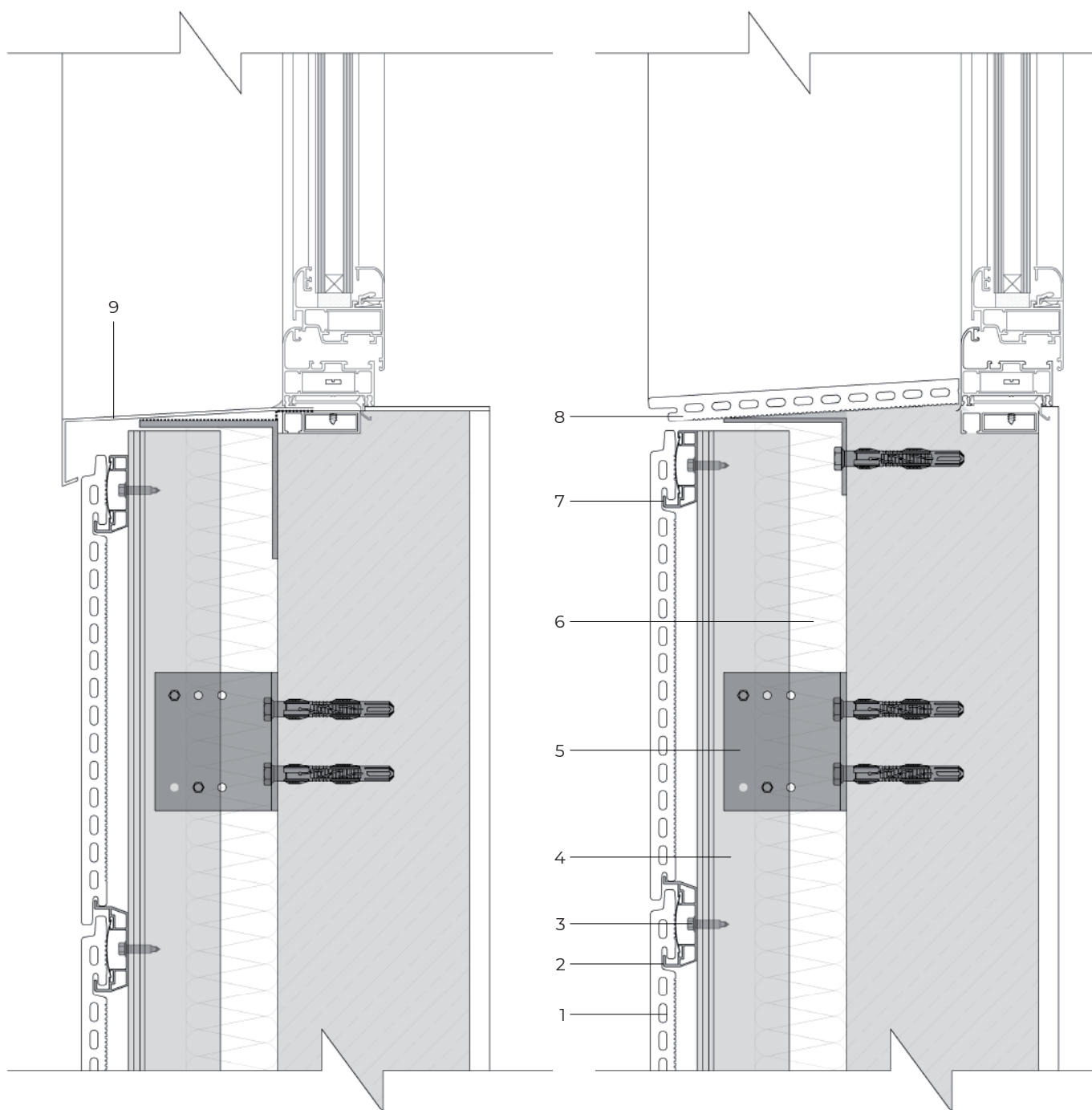
9. "Peine" anchoring
Anclaje de peine



Side termination detail · Detalle terminación lateral

1. Tempio FK16 tile
Pieza Tempio FK16
2. Tempio horizontal intermediate clamp
22x59mm
Grapa horizontal intermedia Tempio
22x59mm
3. Vertical T profile 105x60mm
Perfil vertical T 105x60mm
4. Stainless steel self drilling screw 5,5x25mm
(not coated)
Tornillos autotaladrantes de acero inoxidable
5,5x25mm (sin recubrimiento)

5. Sustaining or retaining bracket
Escuadra de sustentación o retención
6. Insulation
Aislamiento
7. Ceramic jamb (tile placed horizontally)
Jamba cerámica (pieza colocada
horizontalmente)
8. Ceramic jamb (tile placed vertically)
Jamba cerámica (pieza colocada
verticalmente)
9. "Peine" anchoring
Anclaje de peine



Metallic and ceramic sill details · Detalles vierteaguas cerámico y metálico

1. Tempio FK16 tile
Pieza Tempio FK16

2. Tempio horizontal intermediate clamp
22x59mm
Grapa horizontal intermedia Tempio
22x59mm

3. Stainless steel self drilling screw 5,5x25mm
(not coated)
Tornillos autotaladrantes de acero inoxidable
5,5x25mm (sin recubrimiento)

4. Vertical T profile 105x60mm
Perfil vertical T 105x60mm

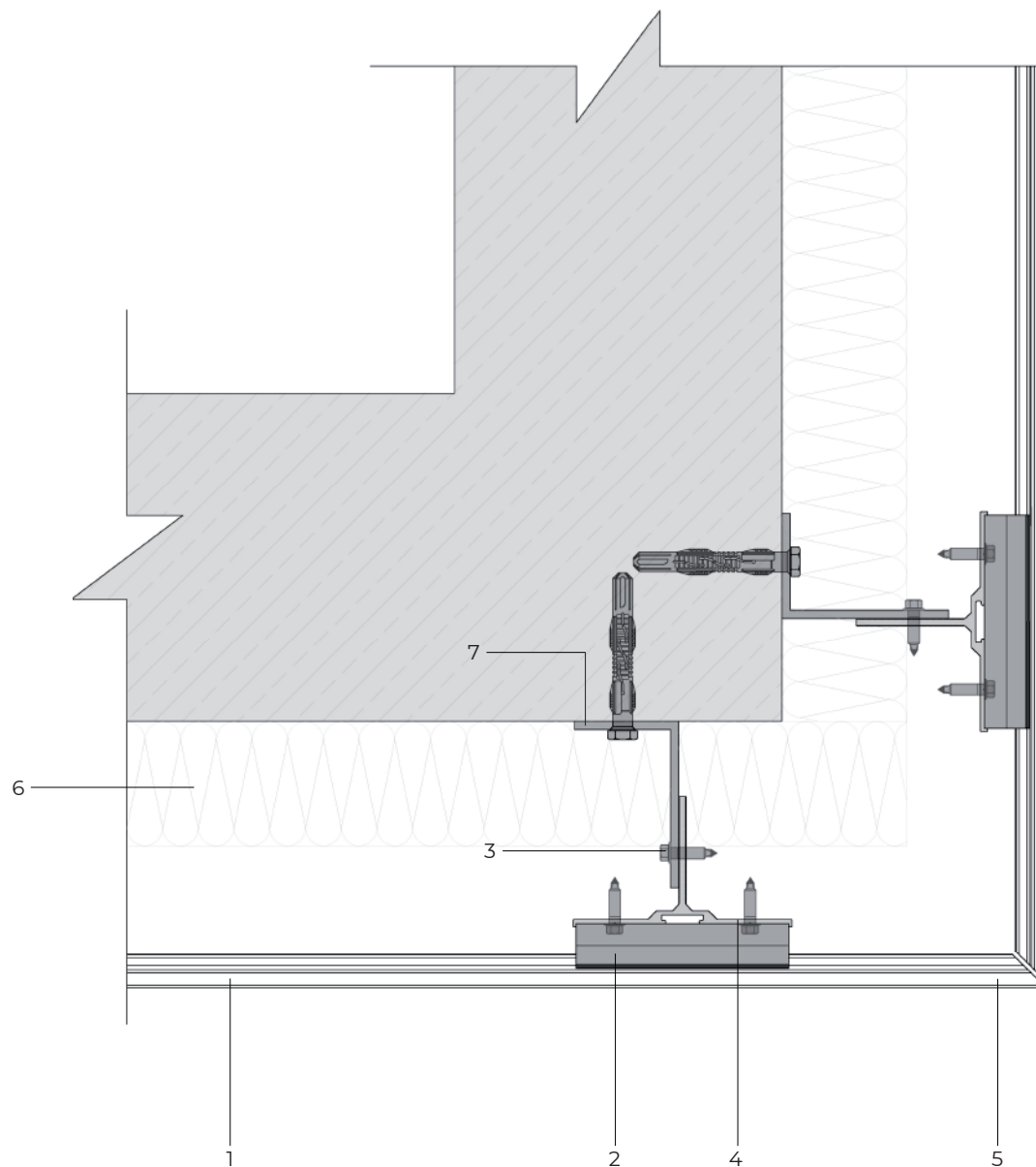
5. Sustaining bracket
Escuadra de sustentación

6. Insulation
Aislamiento

7. Tempio horizontal starter clamp 22x50mm
Grapa horizontal arranque Tempio 22x50mm

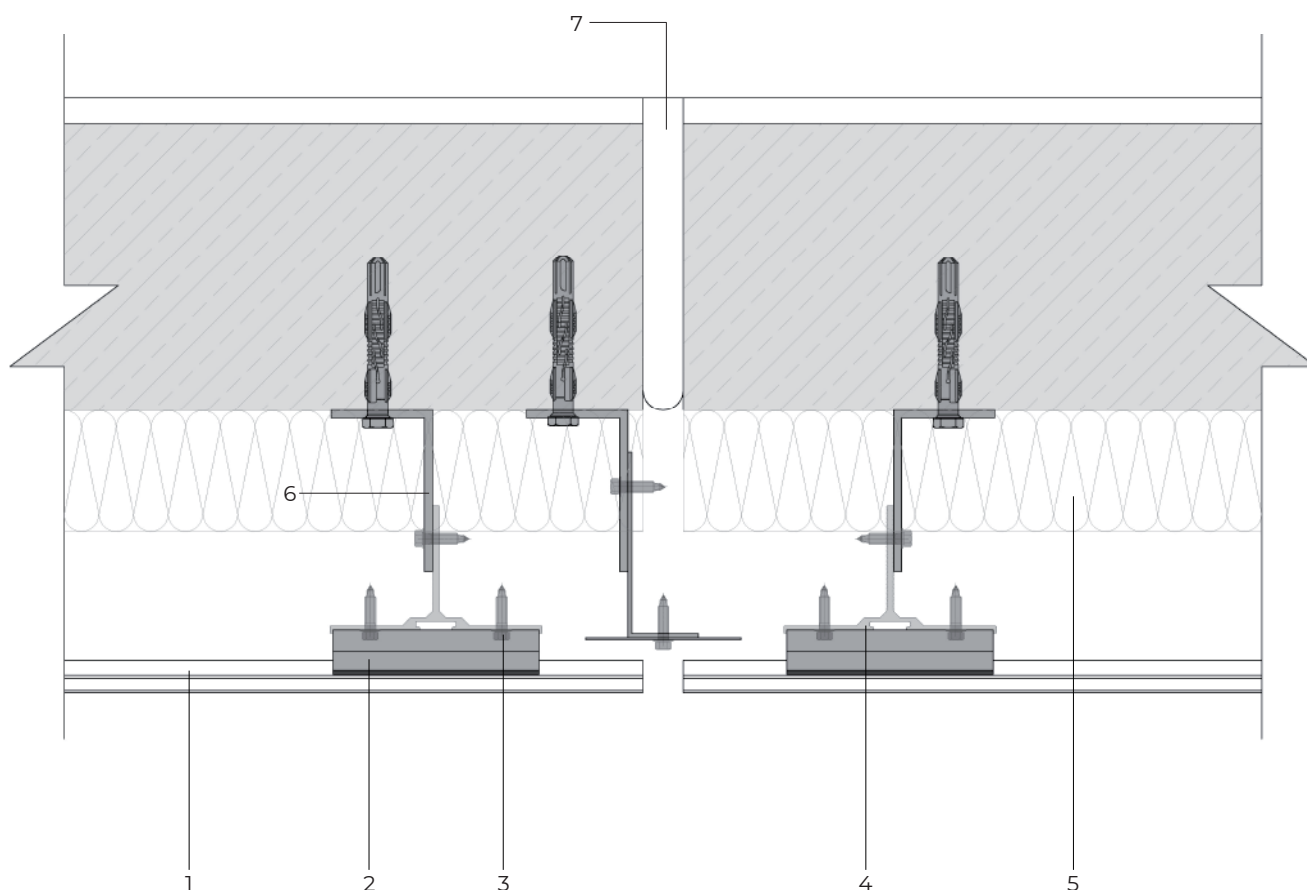
8. Ceramic jamb
Jamba cerámica

9. Metallic jamb
Jamba metálica



Mitre cut corner detail · Detalle esquina a inglete

- | | |
|--|---|
| 1. Tempio FK16 tile
Pieza Tempio FK16 | 4. Vertical T profile 105x60mm
Perfil vertical T 105x60mm |
| 2. Tempio horizontal intermediate clamp
22x59mm
Grapa horizontal intermedia Tempio
22x59mm | 5. Tempio ceramic tile cut at 45 degrees
Pieza cerámica Tempio cortada a 45° |
| 3. Stainless steel self drilling screw 5,5x25mm
(not coated)
Tornillos autotaladrantes de acero inoxidable
5,5x25mm (sin recubrimiento) | 6. Insulation
Aislamiento |
| | 7. Sustaining or retaining bracket
Escuadra de sustentación o retención |



Dilatation joint detail • Detalle junta de dilatación

1. Tempio FK16 tile
Pieza Tempio FK16

2. Tempio horizontal intermediate clamp
22x59mm
Grapa horizontal intermedia Tempio
22x59mm

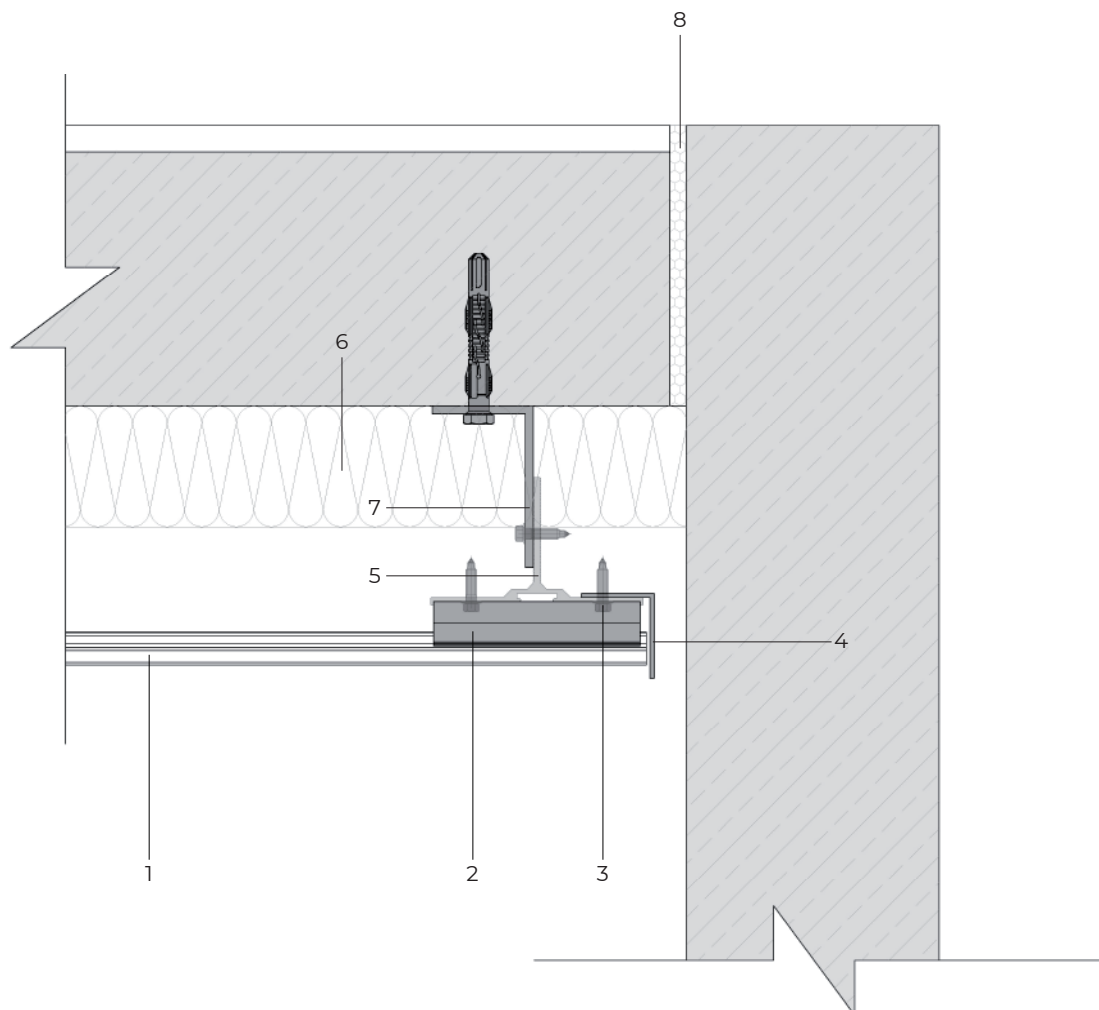
3. Stainless steel self drilling screw 5,5x25mm
(not coated)
Tornillos autotaladrantes de acero inoxidable
5,5x25mm (sin recubrimiento)

4. Vertical T profile 105x60mm
Perfil vertical T 105x60mm

5. Insulation
Aislamiento

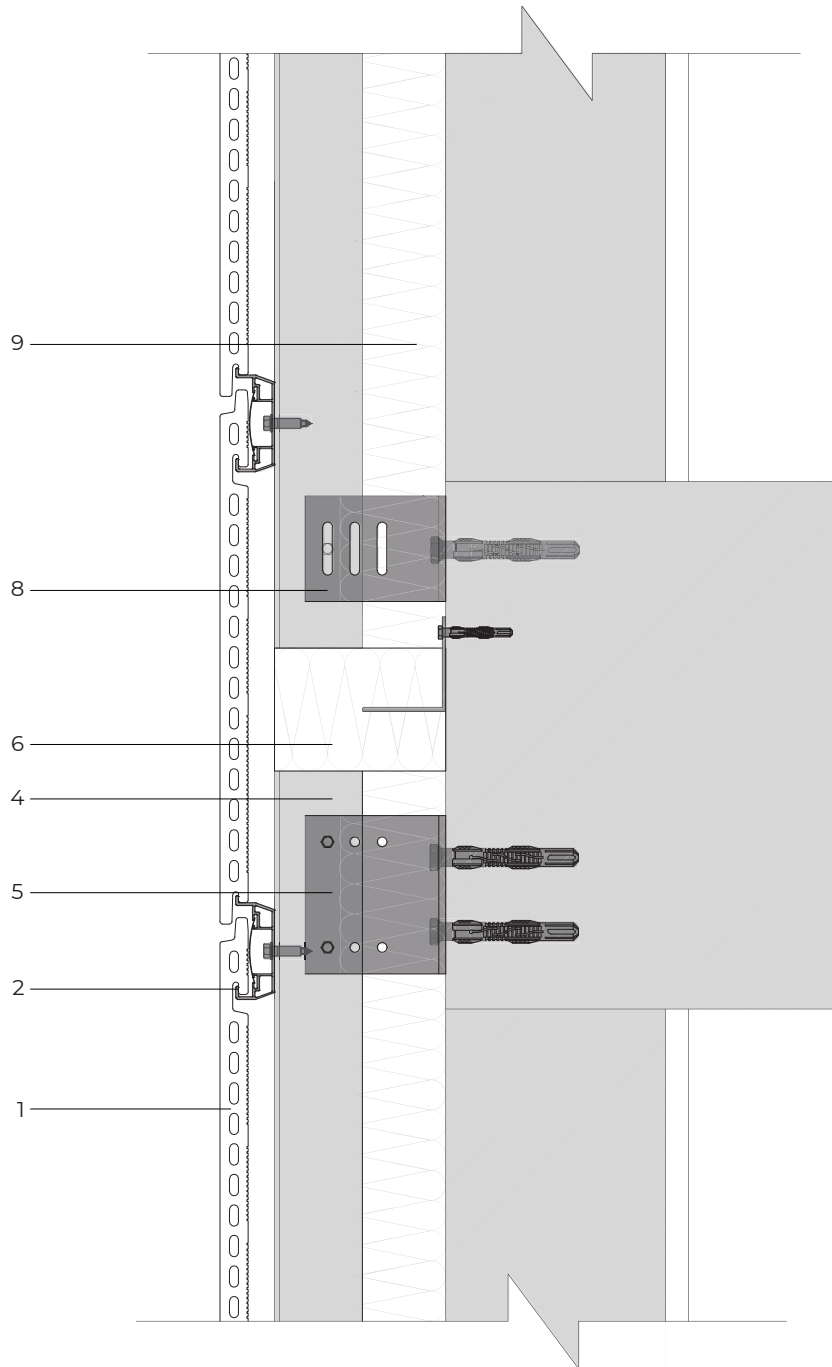
6. Sustaining or retaining bracket
Escuadra sustentación o retención

7. Dilatation joint
Junta de dilatación



Intersection between façade and wall · Detalle
 intersección entre fachada y muro

- | | |
|--|---|
| 1. Tempio FK16 tile
Pieza Tempio FK16 | 5. Vertical T profile 105x60mm
Perfil vertical T 105x60mm |
| 2. Tempio horizontal intermediate clamp
22x59mm
Grapa horizontal intermedia Tempio
22x59mm | 6. Insulation
Aislamiento |
| 3. Stainless steel self drilling screw 5,5x25mm
(not coated)
Tornillos autotaladrantes de acero inoxidable
5,5x25mm (sin recubrimiento) | 7. Sustaining or retaining bracket
Escuadra sustentación o retención |
| 4. Termination profile
Perfil terminación | 8. Expansion joint
Junta de expansión |



Firestop barrier detail · Detalle barrera cortafuegos

1. Tempio FK16 tile
Pieza Tempio FK16

2. Tempio horizontal intermediate clamp
22x59mm
Grapa horizontal intermedia Tempio
22x59mm

3. Stainless steel self drilling screw 5,5x25mm
(not coated)
Tornillos autotaladrantes de acero inoxidable
5,5x25mm (sin recubrimiento)

4. Vertical T profile 105x60mm
Perfil vertical T 105x60mm

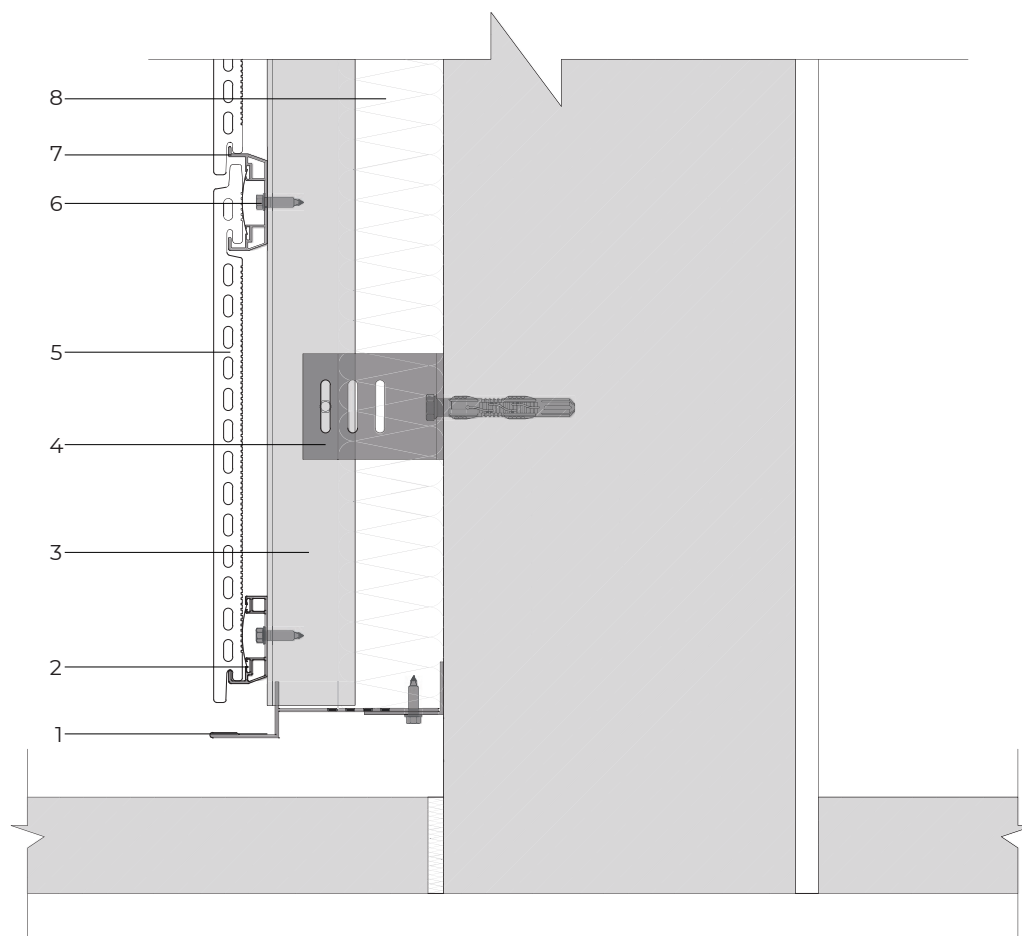
5. Sustaining bracket
Escuadra sustentación

6. Firestop barrier
Barrera cortafuegos

7. Fixation sword
Espada fijación

8. Retaining bracket
Escuadra retención

9. Insulation
Aislamiento



Starter façade detail · Detalle arranque fachada

- | | |
|--|--|
| 1. Perforated metal sheet
Chapa de metal perforada | 6. Stainless steel self drilling screw 5,5x25mm
(not coated)
Tornillos autotaladrantes de acero inoxidable
5,5x25mm (sin recubrimiento) |
| 2. Tempio horizontal starter clamp 22x50mm
Grapa horizontal arranque Tempio 22x50mm | 7. Tempio horizontal intermediate clamp
22x59mm
Grapa horizontal intermedia Tempio
22x59mm |
| 3. Vertical T profile 105x60mm
Perfil vertical T 105x60mm | 8. Insulation
Aislamiento |
| 4. Retaining bracket
Escuadra retención | |
| 5. Tempio FK16 tile
Pieza Tempio FK16 | |

tempio

Basic skin

TECHNICAL DATA SHEET



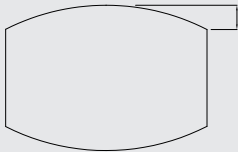
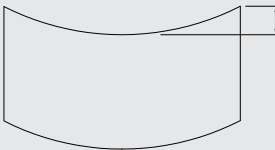
FK16 system
FK Ax16xL
For using in ventilated façades

Water absorption Low absorption paste All the rest of the pastes	EN ISO 10545-3	0 - 4.0% 3.0 - 7.0%
Modulus of rupture	EN ISO 10545-4	>17 N/mm ²
Frost resistance	EN ISO 10545-12	Fulfilled
Resistance to thermal shock	EN ISO 10545-9	Fulfilled
Impact resistance (by measurement of coefficient of restitution)	EN ISO 10545-5	0.7 - 0.9
Fire resistance		A1
Stain resistance	EN ISO 10545-14	Group 5 (glazed)
Chemical resistance	EN ISO 10545-13	Group GA (glazed)
Linear thermal expansion	EN ISO 10545-8	5.75 * 10 ⁻⁶ K ⁻¹ (±1)
Weight		29.0 ± 1.0kg/m ²

tempio

Basic skin

Tolerances and dimensions

Width	In extruding direction	±1.0 mm
Height	Opposite to extruding direction	±2.5 mm
Thickness (16mm)	EN ISO 10545-2	±1.5 mm
Straightness (in extruding direction) Convex effect  Concave effect  (opposite to extruding direction)	EN ISO 10545-2	±1.0 mm to 999 mm ±1.5 mm to 1800 mm ±1.0 mm to 349 mm ±1.1 mm to 449 mm ±1.3 mm to 549 mm ±1.5 mm to 649 mm ±1.7 mm to 749 mm ±1.8 mm to 849 mm ±1.9 mm to 949 mm ±2.0 mm to 1049 mm ±2.1 mm to 1149 mm ±2.2 mm to 1249 mm ±2.3 mm to 1349 mm ±2.4 mm to 1449 mm ±2.5 mm to 1549 mm ±1.0 mm
Ortogonalit	EN ISO 10545-2	±1.0 % of width ±1.0 % of height
Flatness Diagonal flatness Vertical flatness opposite to extruding direction Torsion	EN ISO 10545-2	±1.5 % of diagonal ±1.5 % of height ±1.5 % of diagonal

tempio

FK SYSTEM

CERÁMICA MAYOR S.A.

Partida Planet s/n
03510 Callosa d'en Sarriá
Alicante, Spain

info@tempio.es
0034 965 881 175

www.tempio.es