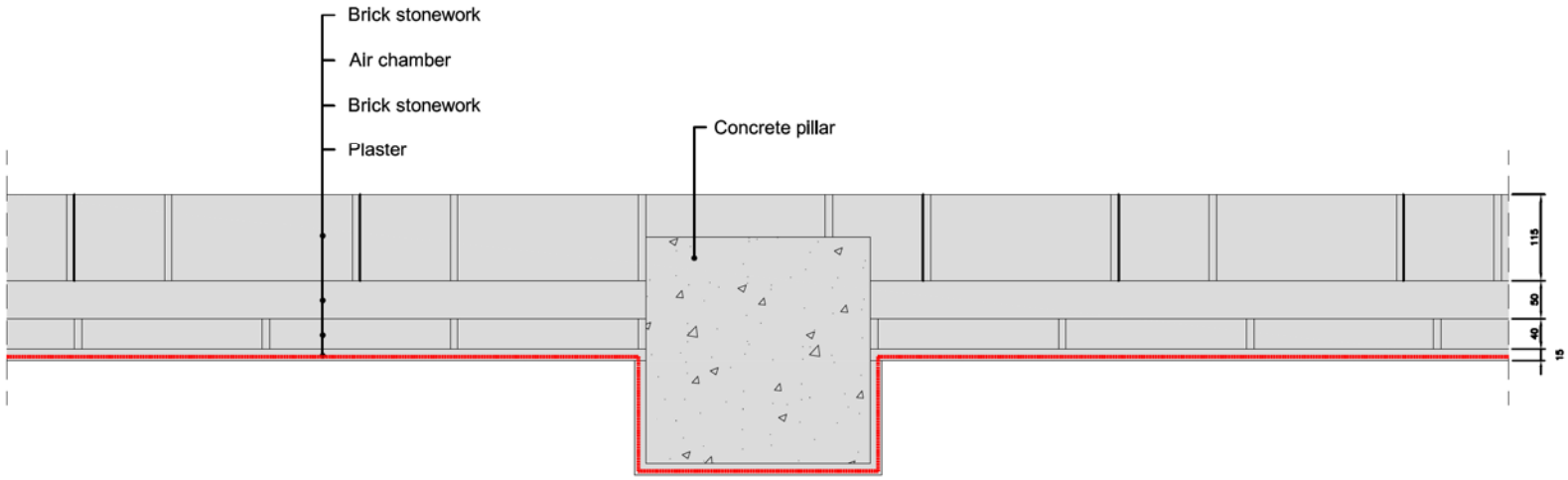
Case Study_OP23_Treviana Social Housing_Spain

Scale	1:10 @ A4
Author	Nuria Díaz/Anne Vogt
Date	07.07.2015

EWEJ | Exterior wall element junction. Horizontal section.

PLATAFORMA EDIFICACIÓN PASSIVHAUS

EXISTING



COLOR CODE

- Existing building
- Step 1
- Step 2
- Step 3
- Step 4
- temporary works (in between steps)

Airtight layer

DESCRIPTION/CHALLENGES

No insulation.

Co-funded by the Intelligent Energy Europe Programme of the European Union

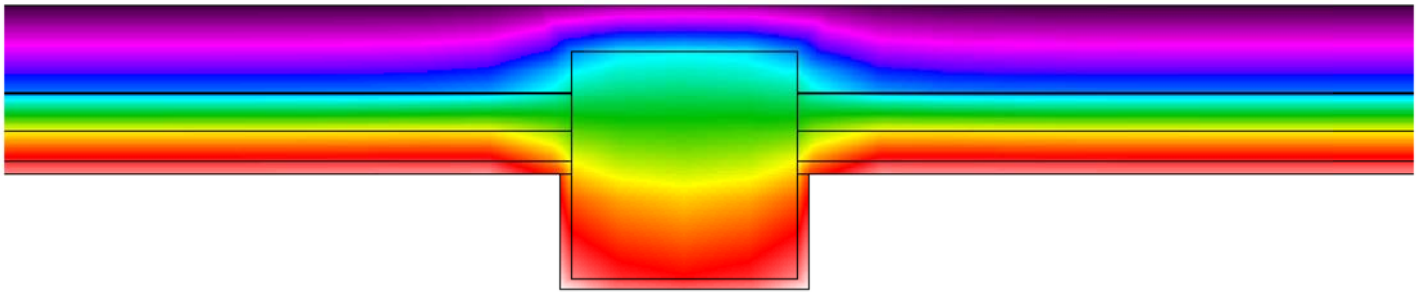
EuroPHit

Case Study_OP23_Treviana Social Housing_Spain

Scale	1:10 @ A4
Author	Nuria Díaz/Anne Vogt
Date	07.07.2015

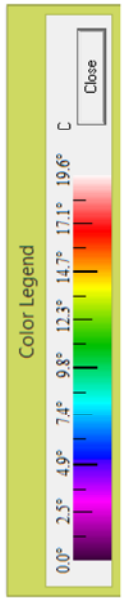
EWEJ | Exterior wall element junction. Horizontal section. - THERM

Existing



Ψ - value [W/mK] = 1.541

COLOR CODE



DESCRIPTION/CHALLENGES

No insulation.

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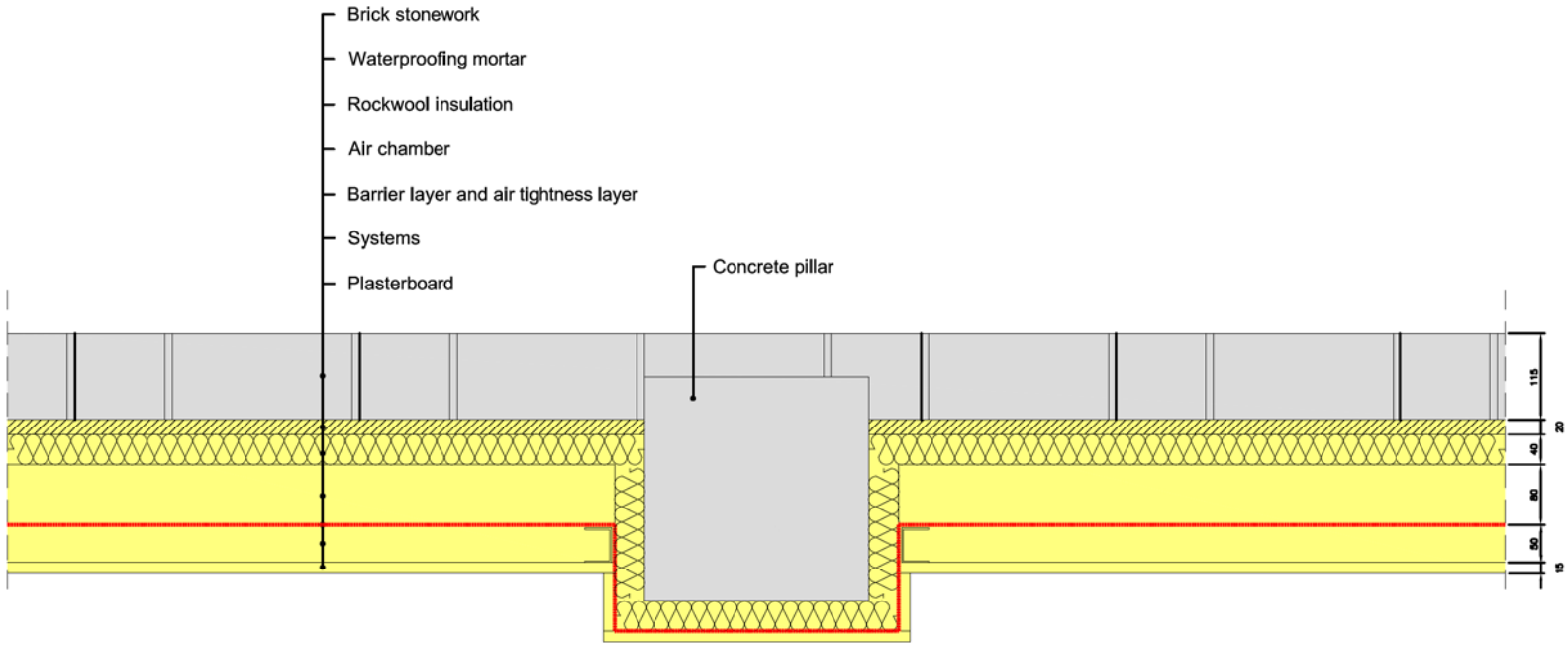
EuroPHit

Case Study_OP23_Treviana Social Housing_Spain

Scale	1:10 @ A4
Author	Nuria Díaz/Anne Vogt
Date	07.07.2015

EWEJ | Exterior wall element junction. Horizontal section.

1 STEP



COLOR CODE

- Existing building
- Step 1
- Step 2
- Step 3
- Step 4
- temporary works (in between steps)

Airtight layer

DESCRIPTION/CHALLENGES

The interior insulation thickness chosen is 4 cm to reduce the demand as far as possible but above all to increase the surface temperature, raise the comfort, and reduce surface condensation risk.

Continuous insulation.

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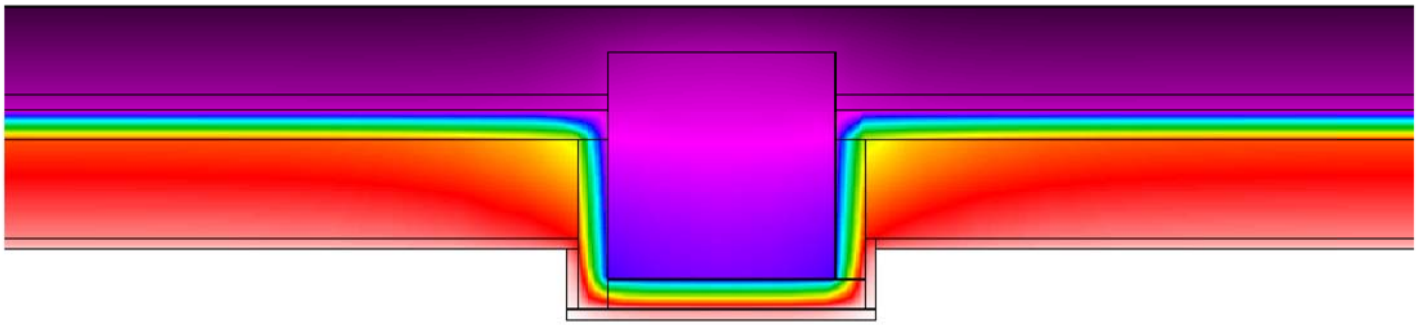
EuroPHit

Case Study_OP23_Treviana Social Housing_Spain

Scale	1:10 @ A4
Author	Nuria Díaz/Anne Vogt
Date	07.07.2015

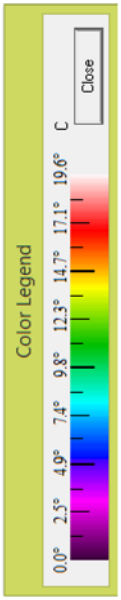
EWEJ | Exterior wall element junction. Horizontal section. - THERM

Step 1



Ψ - value [W/mK] = 0,411

COLOR CODE



DESCRIPTION/CHALLENGES

The interior insulation thickness chosen is 4 cm to reduce the demand as far as possible but above all to increase the surface temperature, raise the comfort, and reduce surface condensation risk.

Continuous insulation.

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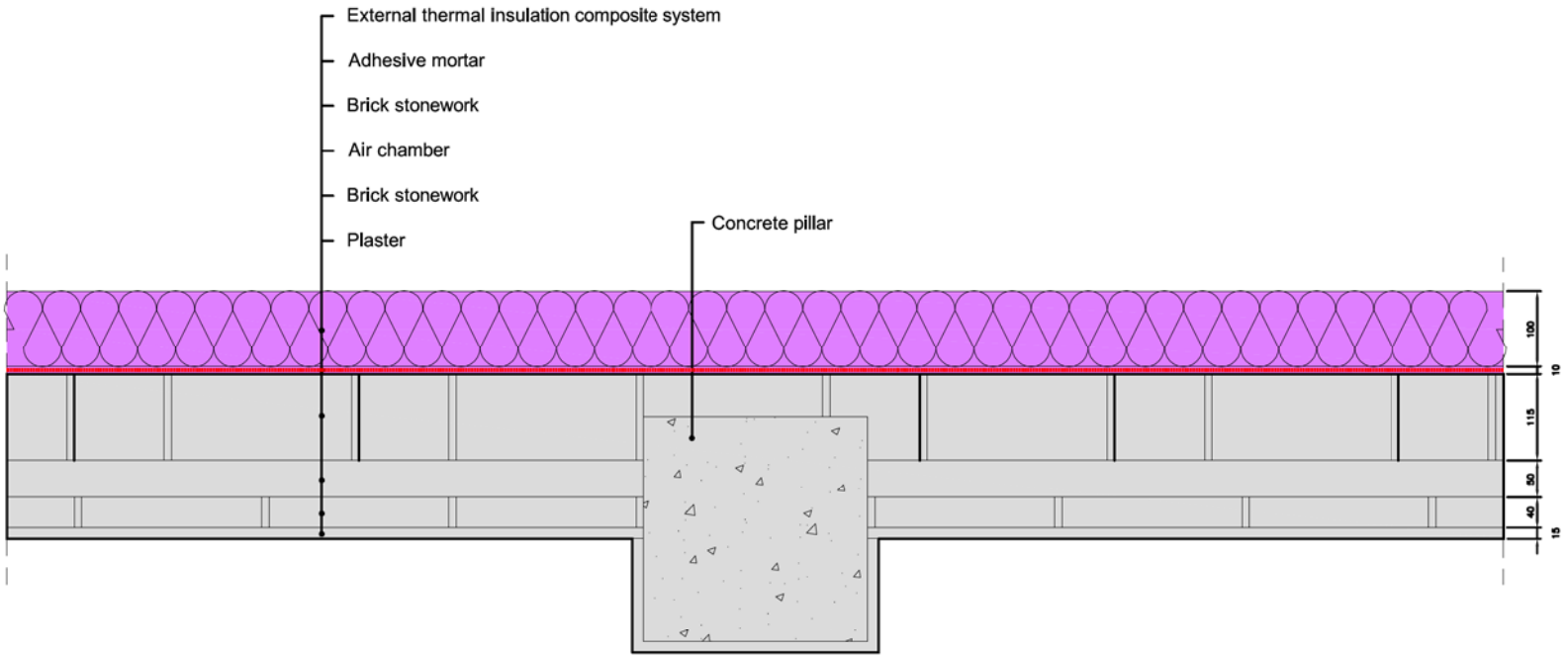
Case Study_OP23_Treviana Social Housing_Spain

Scale	1:10 @ A4
Author	Nuria Díaz/Anne Vogt
Date	07.07.2015

EWEJ | Exterior wall element junction. Horizontal section.

2 STEP (a)



COLOR CODE

- Existing building
- Step 1
- Step 2
- Step 3
- Step 4
- temporary works (in between steps)

Airtight layer

DESCRIPTION/CHALLENGES

This detail does not include the first step measure developed in ONE apartment.

The exterior insulation thickness chosen is 10 cm according to the PHPP calculations. This measure will reduce the thermal bridge, increase the surface temperature, raise the comfort, and eliminate surface condensation risk.

The airtight layer will be on the exterior of the existing wall.

Co-funded by the Intelligent Energy Europe Programme of the European Union

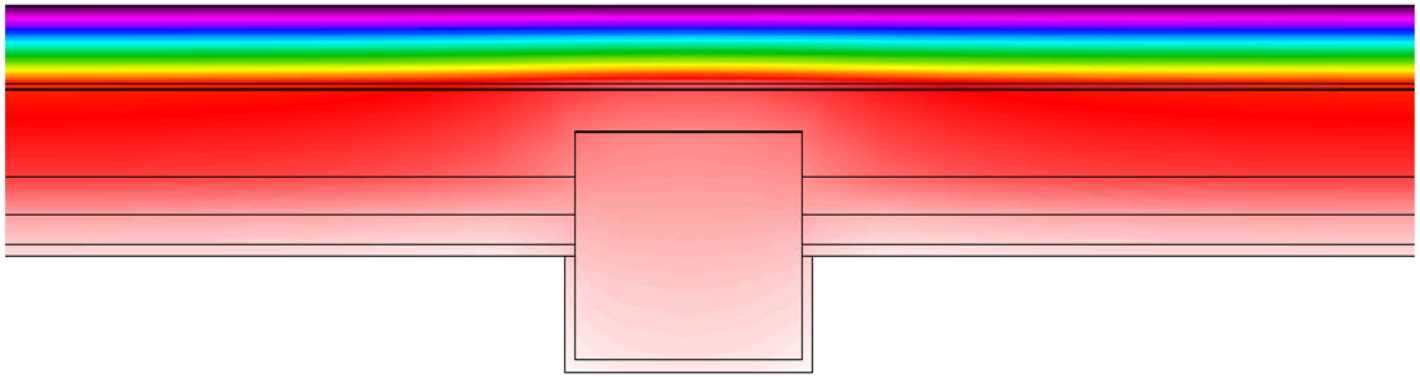
EuroPHit

Case Study_OP23_Treviana Social Housing_Spain

Scale	1:10 @ A4
Author	Nuria Díaz/Anne Vogt
Date	07.07.2015

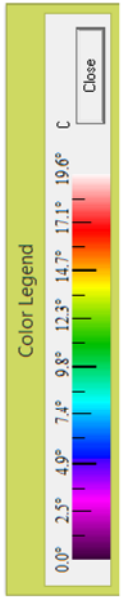
EWEJ | Exterior wall element junction. Horizontal section. - THERM

Step 2 (a)



Ψ - value [W/mK] = 0.062

COLOR CODE



DESCRIPTION/CHALLENGES

This detail does not include the first step measure developed in ONE apartment.

The exterior insulation thickness chosen is 10 cm according to the PHPP calculations. This measure will reduce the thermal bridge, increase the surface temperature, raise the comfort, and eliminate surface condensation risk.

The airtight layer will be on the exterior of the existing wall.

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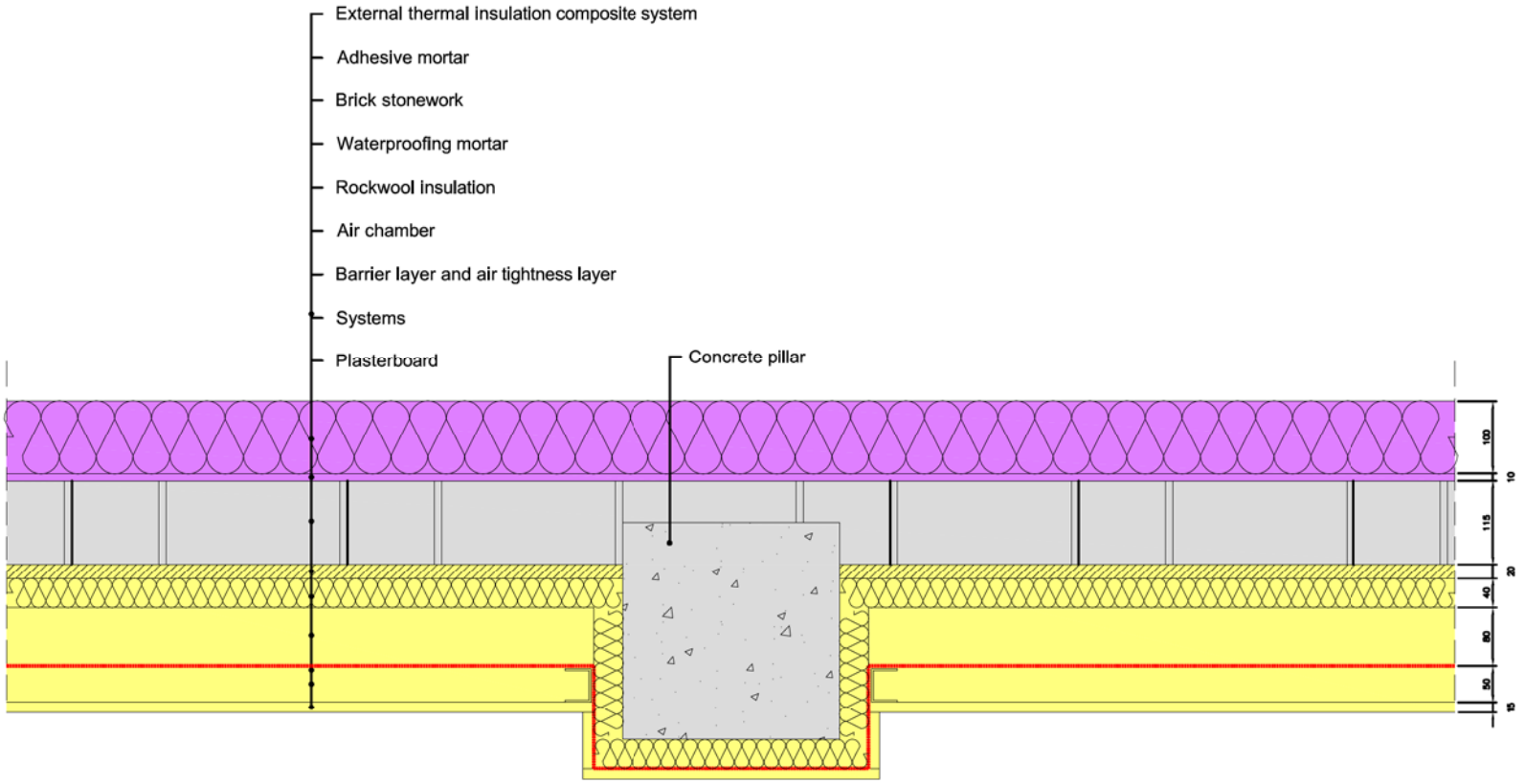
Case Study_OP23_Treviana Social Housing_Spain

Scale	1:10 @ A4
Author	Nuria Díaz/Anne Vogt
Date	07.07.2015

EWEJ | Exterior wall element junction. Horizontal section.

PLATAFORMA EDIFICACIÓN PASSIVHAUS

2 STEP (b)



COLOR CODE

- Existing building
- Step 1
- Step 2
- Step 3
- Step 4
- temporary works (in between steps)

Airtight layer

DESCRIPTION/CHALLENGES

This detail include the first step measure developed in ONE apartment.

The exterior insulation thickness chosen is 10 cm according to the PHPP calculations. This measure will reduce the thermal bridge, increase the surface temperature, raise the comfort, and eliminate surface condensation risk.

The airtight layer will be on the exterior of the existing wall.

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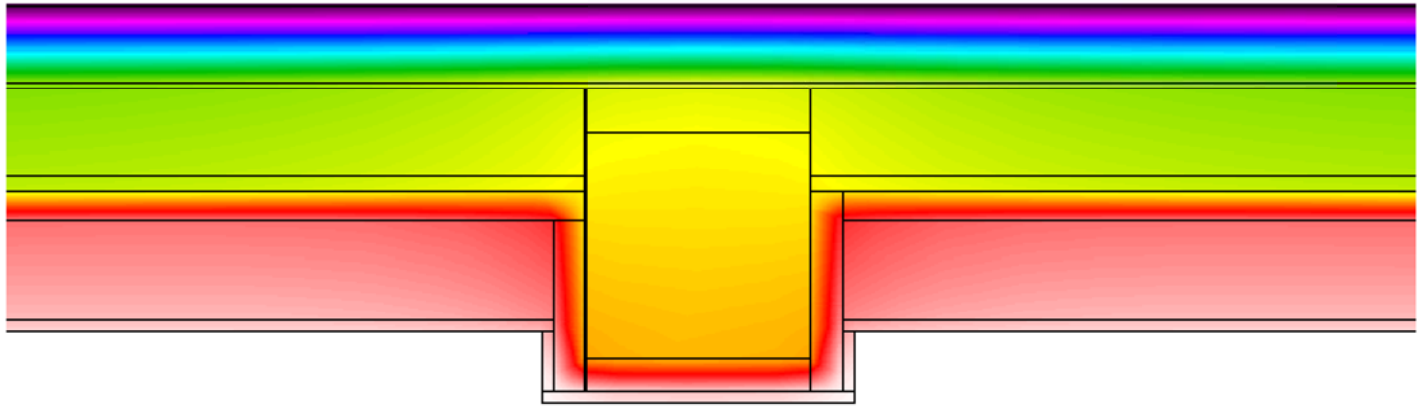
Case Study_OP23_Treviana Social Housing_Spain

Scale	1:10 @ A4
Author	Nuria Díaz/Anne Vogt
Date	07.07.2015

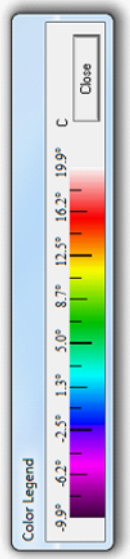
EWEJ | Exterior wall element junction. Horizontal section. - THERM

Step 2 (b)



Ψ - value [W/mK] = 0.079

COLOR CODE



DESCRIPTION/CHALLENGES

This detail include the first step measure developed in ONE apartment.

The exterior insulation thickness chosen is 10 cm according to the PHPP calculations. This measure will reduce the thermal bridge, increase the surface temperature, raise the comfort, and eliminate surface condensation risk.

The airtight layer will be on the exterior of the existing wall.

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Scale	1:10 @ A4
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Date	07.07.2015

EWEJ | Exterior wall element junction. Horizontal section.

BEFORE

AFTER

DESCRIPTION/CHALLENGES

Co-funded by the Intelligent Energy Europe Programme of the European Union

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