

# EuroPHit\_OP24\_ZEPHIR\_La Provvidenza\_Italy

EWCE01 Ceiling penetration in the external stone wall

Scale 1:15 @ A4

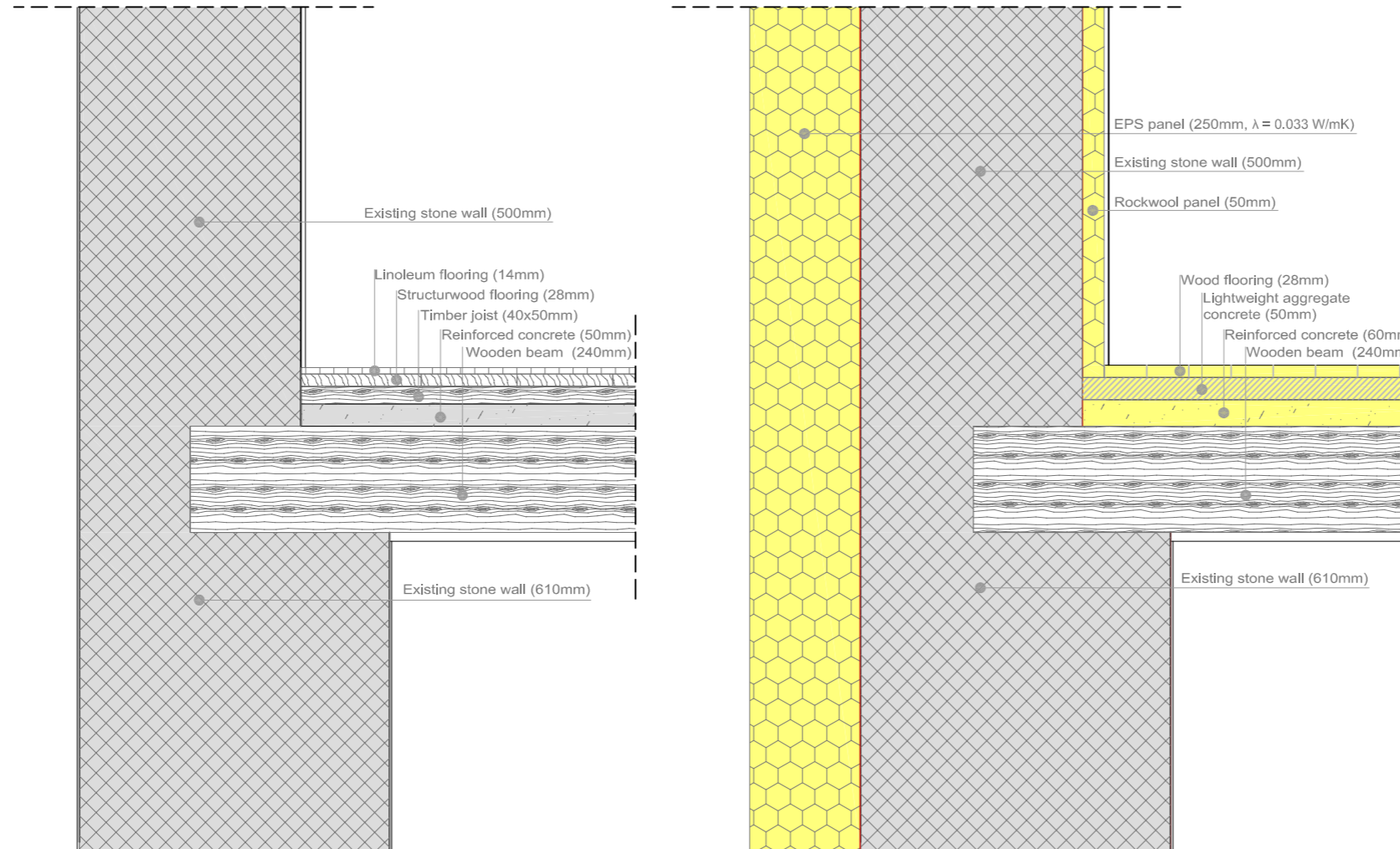
Author ZEPHIR

Date 04.03.2016









EXISTING

1 STEP



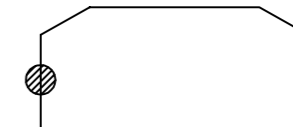
COLOR CODE

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

**Airtight layer**

## DESCRIPTION/CHALLENGES

The airtightness on the existing wall was realized by restoring the plaster on the interior side. In the wall-ceiling connection, where the wooden beams interrupt the continuity of the internal plaster, the airtightness is guaranteed by a double layer of plaster both on the inner side and on the outer side.



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

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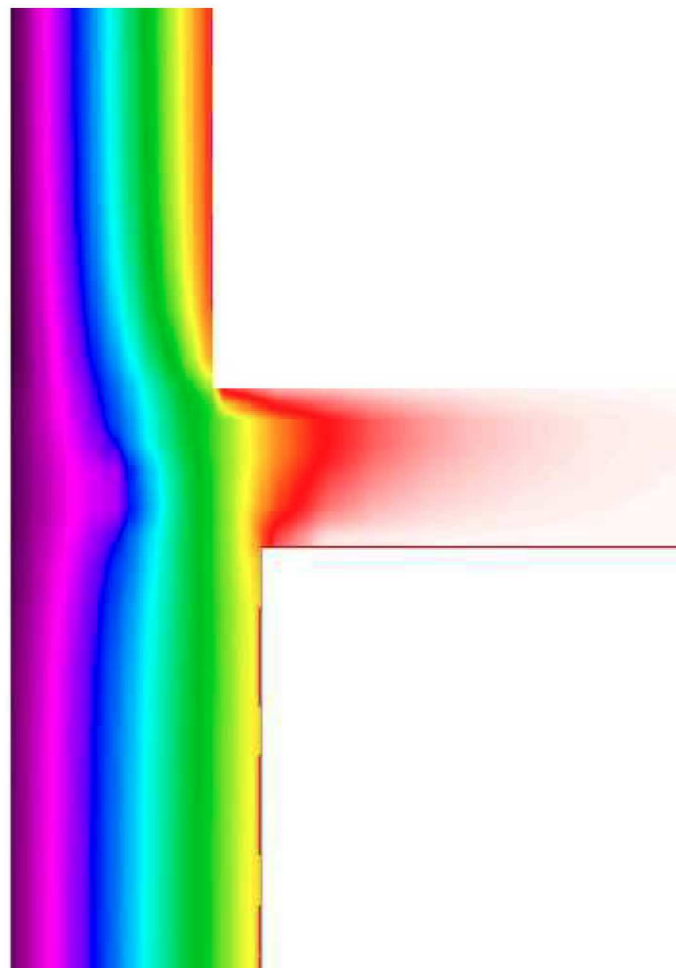
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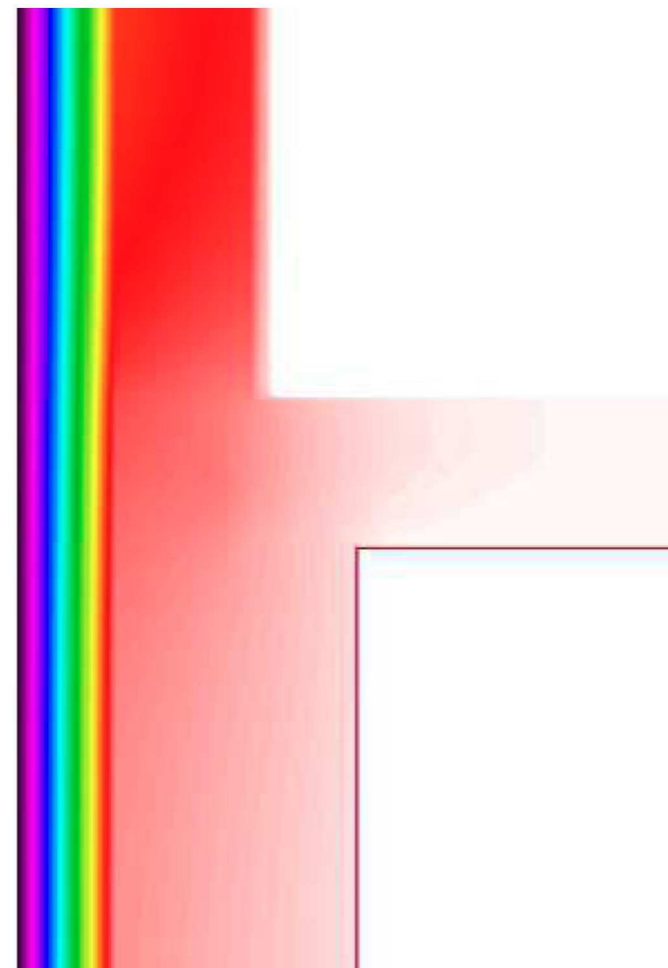
EXISTING

FINAL STEP



L2D = 6,1820 W/mK

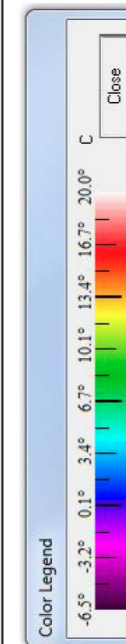
$\Psi = -0,184$  W/mK



L2D = 0,3874 W/mK

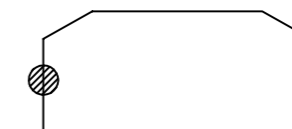
$\Psi = 0,014$  W/mK

COLOR CODE



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Scale -

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BEFORE



AFTER



## DESCRIPTION/CHALLENGES

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