

Scale 1:5 Case Study\_05\_Courcelles\_France Simon Camal Author WIBO Detail: Window and wall - Vertical cut 10.06.2015 Date 1st STEP and 2nd STEP COLOR CODE Existina buildina New PVC Frame with triple glazing, fixed to inner concrete wall temporary works Subframe (PUR rigid foam) (in between steps) Airtight and waterproof sealing, compressed impregnated PU tape Airtight layer Airtight membrane + intermediate sill connection (insulation + pan) DESCRIPTION/CHALLENGES Complementary insulation (mineral wool) + metal sill pan 40 Ensure airtightness at air cavity before mounting Exterior insulation EPS 20 cm + acrylic render new windows EPS mortar-glue on existing render as airtight layer 2 cm air cavity sealed at windows openings by airtight membrane 440 NOTES Airtight layer placed on the outer face of the masonry during the 2nd step (ETICS) The sole responsibility for the content of this publication lies with the authors. It does not necessarily reflect the opinion of the European Union. Neither the EACI nor the **EuroPHit** European Commission are responsible for any use that may be made of the information contained therein.

## not to scale Scale Case Study\_05\_Courcelles\_France LA MAISON Simon Camal Author WIBO Detail: Wall / Window - THERM 15.07.2015 Date **EXISTING** Final Step COLOR CODE DESCRIPTION/CHALLENGES Total Heat Flux $[W/m^2] = 21.28$ Total Heat Flux [W/m<sup>2</sup>] = 13.6 $\Psi$ - value [W/mK] = 0.204 $\Psi$ - value [W/mK] = 0.049 The sole responsibility for the content of this publication lies with the authors. It does not necessarily **EuroPHit** Co-funded by the Intelligent Energy Europe reflect the opinion of the European Union. Neither the EACI nor the European Commission are Programme of the European Union responsible for any use that may be made of the information contained therein.