1:10 @ A4 Scale EuroPHit_OP21_MosArt_Family Home_Ireland Author Mariana Moreira Window cill detail for masonry wall 26.02.2016 Date **EXISTING** 1 STEP **COLOR CODE** Existing building Step 1 Step 2 Step 3 PH window Step 4 Timber frame double glazed window Wind/Waterproof membrane (blue line) temporary works (in between steps) Airtight tape Concrete insitu infill concrete Concrete roof tile Airtight seal between Damp proof course Airtight layer new concrete and existing wall render CompacFoam CF100 DESCRIPTION/CHALLENGES $(\lambda = 0.038 \text{ W/mK})$ In order to assure a continuous airtight line, it has been decided to Airtight layer - external keep the airtight layer along the render on the existing outside of the existing block wall as block wall the render. The render is connected EPS $(\lambda = 0.031 \text{ W/mK})$ with the window frame with an Existing plasterboard airtight tape. Render Existing fiberglass Existing plasterboard insulation Existing render Existing fiberglass insulation ($\lambda = 0.05 \text{ W/mK}$) Existing block wall Existing render External render on the Existing block wall existing block wall The sole responsibility for the content of this publication lies with the authors. It does not necessarily 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.

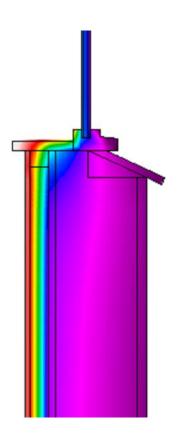
EuroPHit_OP21_MosArt_Family Home_Ireland

Window cill detail for masonry wall - THERM

Scale	1:10 @ A4
Author	Mariana Moreira
Date	26.02.2016

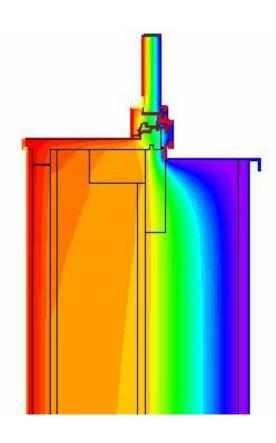


EXISTING



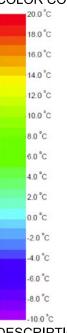
 Ψ - value [W/mK] = 0.188

FINAL STEP



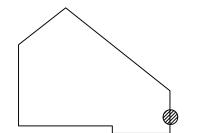
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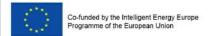
COLOR CODE



DESCRIPTION/CHALLENGES

In order to assure a continuous airtight line, it has been decided to keep the airtight layer along the outside of the existing block wall as the render. The render is connected with the window frame with an airtight tape.





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Window cill detail for masonry wall - Site Photo

AFTER











DESCRIPTION/CHALLENGES

Scale

In order to assure a continuous airtight line, it has been decided to keep the airtight layer along the outside of the existing block wall as the render. The render is connected with the window frame with an airtight tape.

The external insulation overlaps the frame by 44mm reducing the heat loss through the frame at jamb and head

