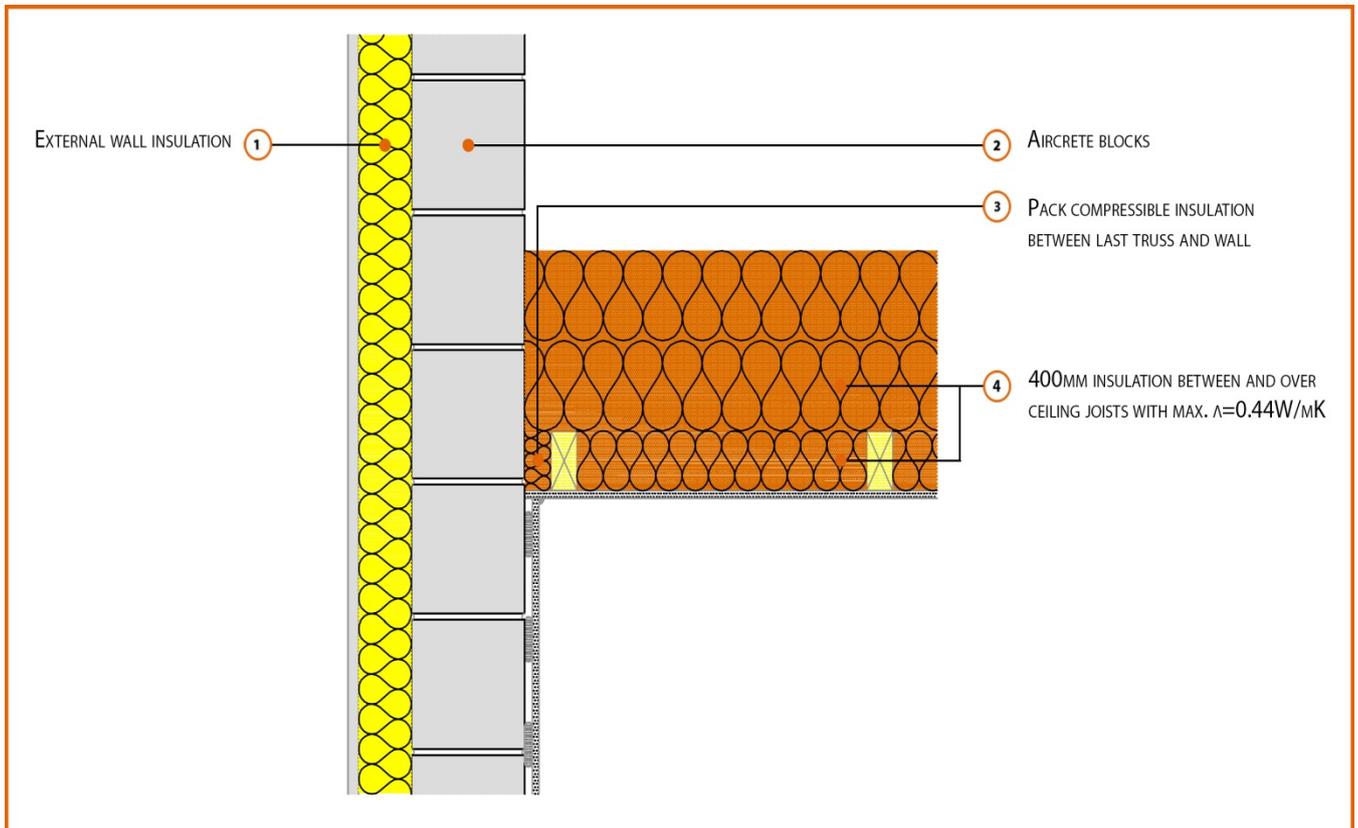


LABC Registered Construction Details

Masonry



Registration Number: E12SMEW6



Build Up

Solid External Masonry Wall

215mm Aircrete Solid Wall ($\lambda \leq 0.19 \text{ W/mK}$)

Render & Insulation ($\lambda = 0.038 \text{ W/mK}$)

Pitched Roof Gable

400mm insulation quilt (0.044 W/mK) at Ceiling

Level



Calculated ψ -values

Cavity Insulation	Inner leaf blockwork
	Aircrete Block $\lambda \leq 0.19$ W/mK
	ψ -value W/mK
75mm $\lambda=0.038$	0.076
100mm $\lambda=0.038$	0.074
150mm $\lambda=0.038$	0.072

Points to Watch

- Ensure block face is kept clean of mortar spots and other debris during construction to permit tight fit of external wall insulation.
- Read in conjunction with roof details E10 and E11.
- Fix ceiling plasterboard first and seal all gaps between ceiling and masonry then seal all penetrations through air barrier with flexible sealant.
- Ensure that the full depth of insulation extends to the inner face of the wall.
- Tightly pack compressible material between last truss/joist and gable wall.