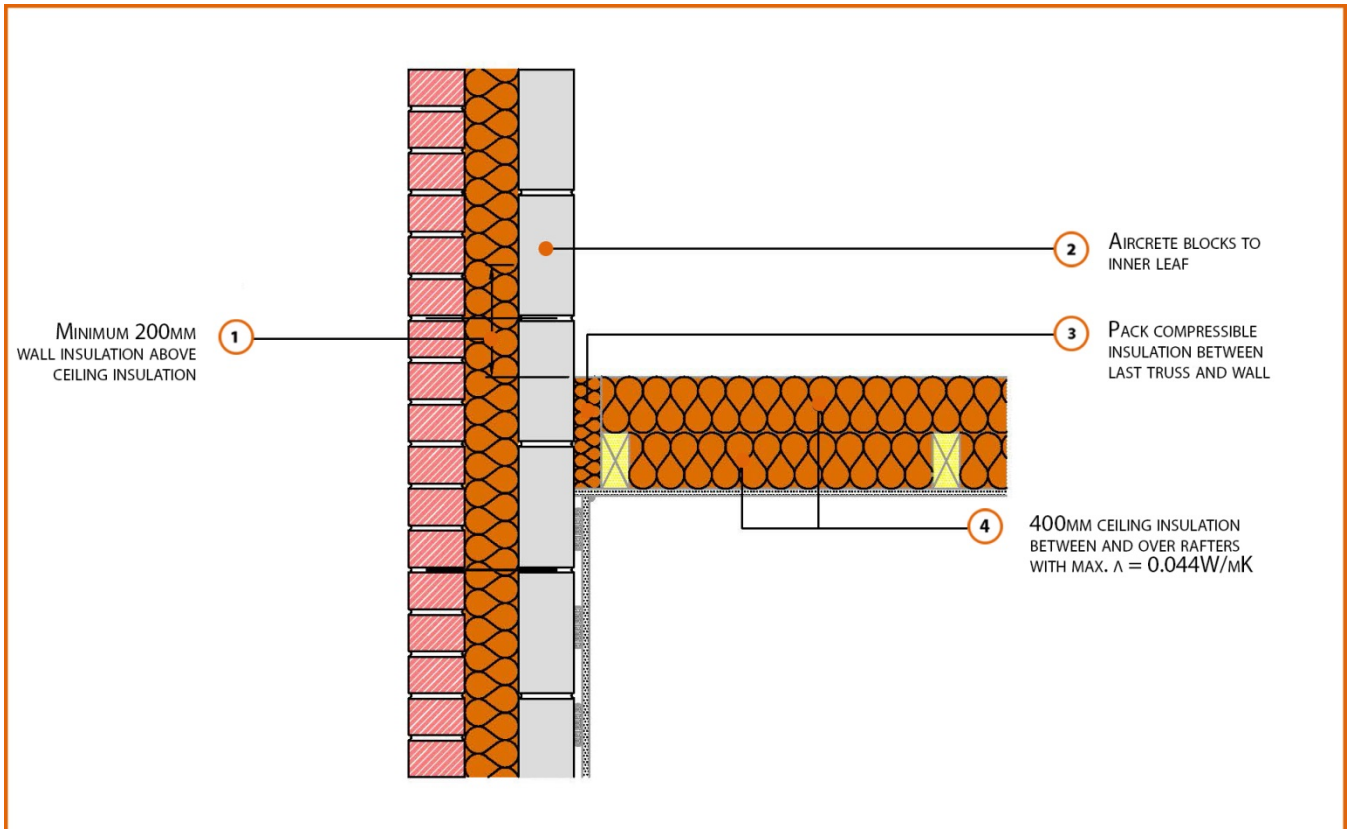


LABC Registered Construction Details

Masonry



Registration Number: E12MCFF4



Build Up

External Masonry Cavity Wall

Masonry Outer Leaf ($\lambda = 0.77$)

100mm Aircrete Block Inner Leaf ($\lambda = 0.11 \text{ W/mK}$)

Full Fill Insulation

Pitched Roof Gable

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

Ventilated Loft



Calculated ψ -values

Cavity Insulation	Inner leaf blockwork
	Aircrete Block $\lambda = 0.11$ W/mK
	ψ -value W/mK
100mm $\lambda=0.037$	0.049
150mm $\lambda=0.037$	0.044
100mm $\lambda=0.032$	0.047
150mm $\lambda=0.032$	0.043

Points to Watch

- Ensure cavities are kept clean of mortar snots and other debris during construction
- 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.