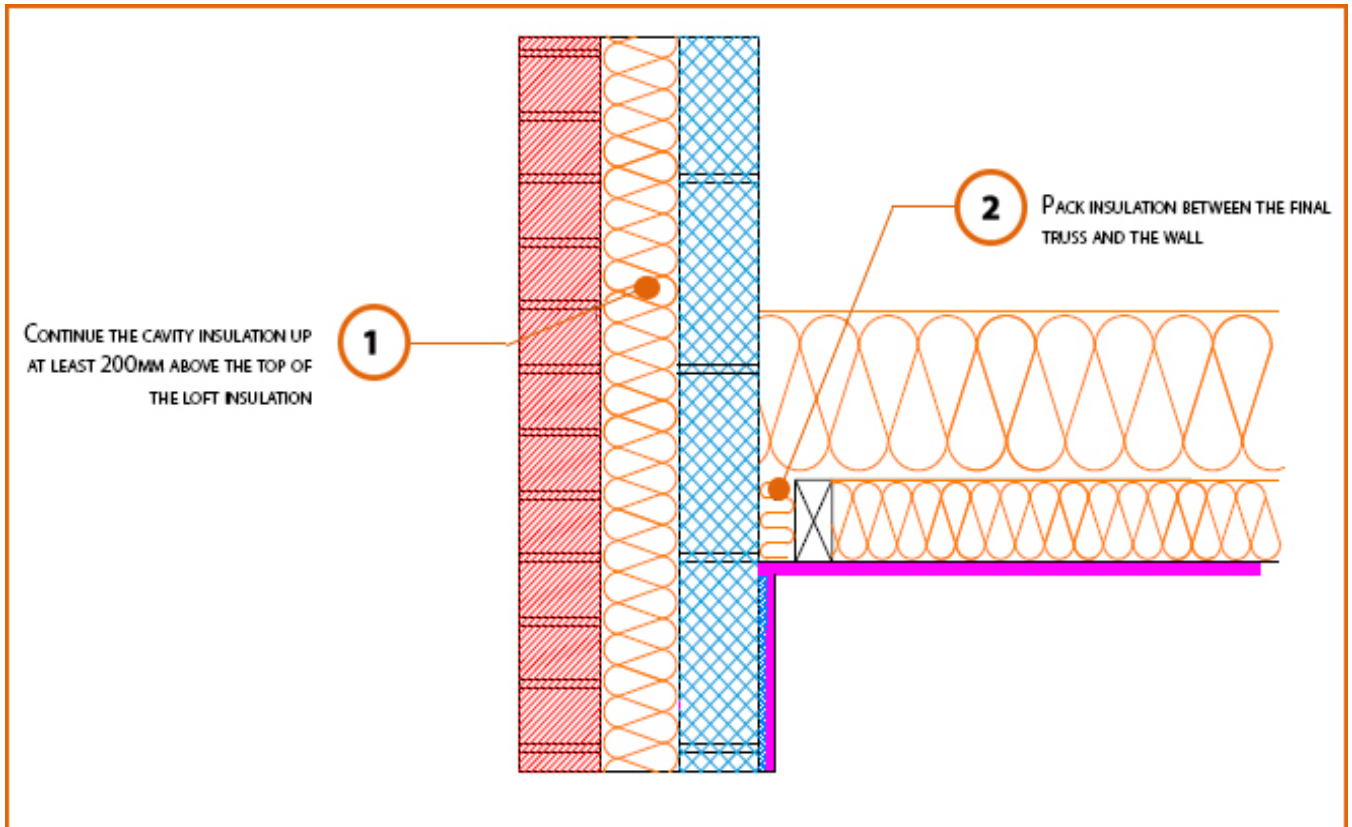


Registration Number: E12MCFF1



Build Up

External Masonry Cavity Wall

Masonry Outer Leaf ($\lambda = 0.77$)

Ultra Lightweight Concrete Block $\lambda \leq 0.28$ W/mK

Full Fill Insulation

Pitched Roof Gable

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

Ventilated Loft

Calculated ψ -values

Cavity Insulation	Inner leaf blockwork
	Ultra Lightweight Concrete Block $\lambda \leq 0.28$ W/mK
	ψ -value W/mK
100mm $\lambda=0.037$	0.058
100mm $\lambda=0.032$	0.055
150mm $\lambda=0.037$	0.052
150mm $\lambda=0.032$	0.050

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.