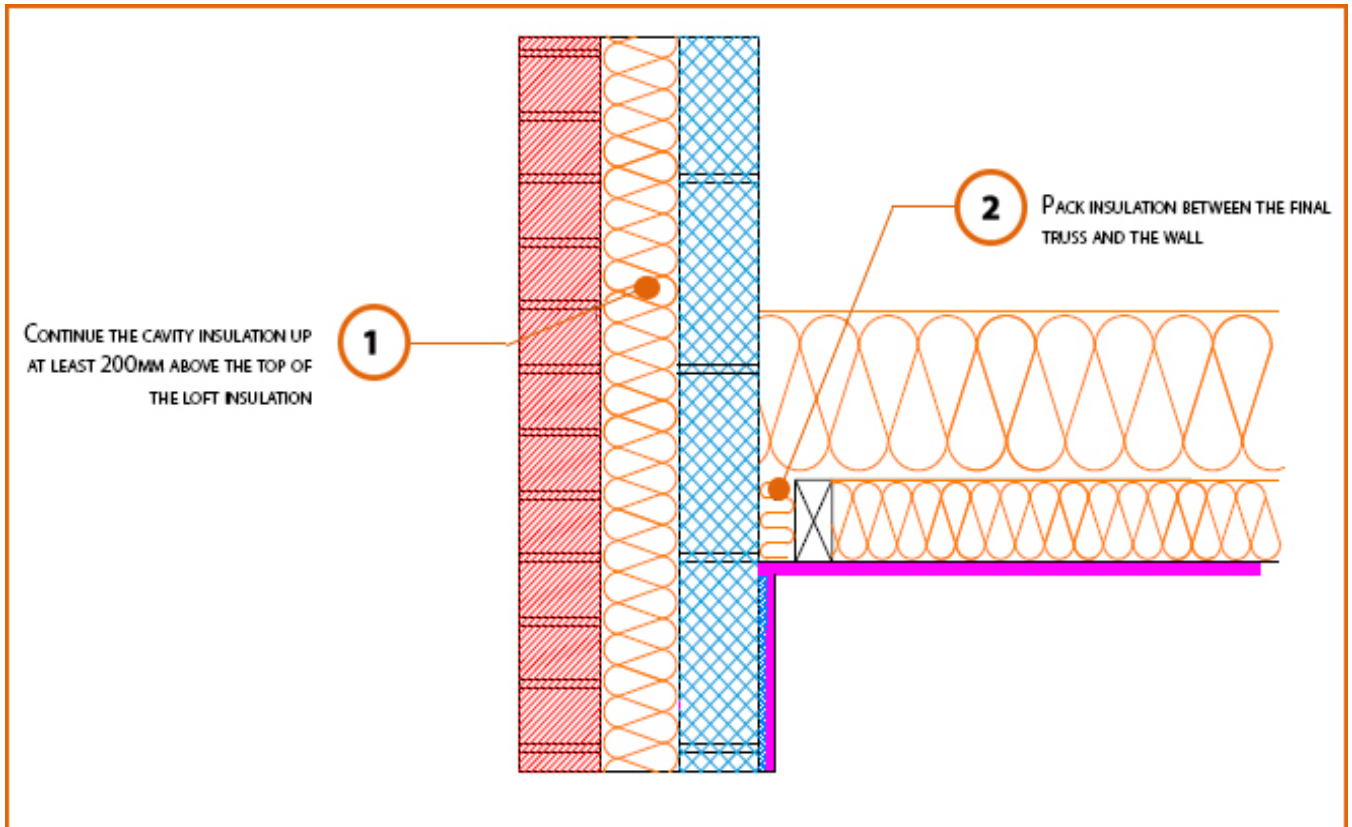


Registration Number: E12MCFF2



Build Up

External Masonry Cavity Wall
Masonry Outer Leaf ($\lambda = 0.77$)
Lightweight Concrete Block $\lambda \leq 0.60$ 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
	Lightweight Concrete Block $\lambda \leq 0.60$ W/mK
	ψ -value W/mK
100mm $\lambda=0.037$	0.087
100mm $\lambda=0.032$	0.084
150mm $\lambda=0.037$	0.080
150mm $\lambda=0.032$	0.077

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.