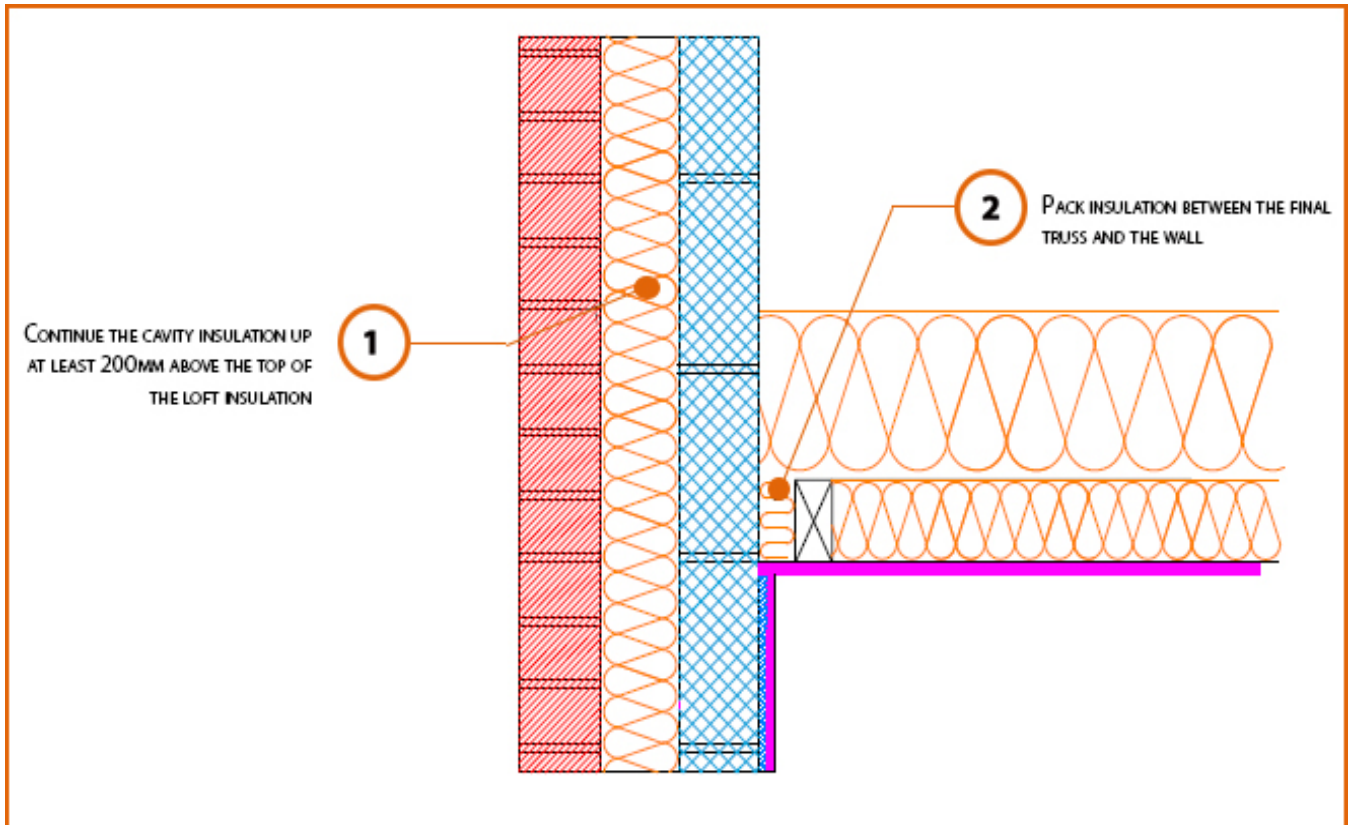


Registration Number: E12MCFF3



Build Up

External Masonry Cavity Wall
Masonry Outer Leaf ($\lambda = 0.77$)
Dense Concrete Block $\lambda \leq 1.33$ 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
	Dense Concrete Block $\lambda \leq 1.33$ W/mK
	ψ -value W/mK
100mm $\lambda=0.037$	0.132
100mm $\lambda=0.032$	0.127
150mm $\lambda=0.037$	0.120
150mm $\lambda=0.032$	0.116

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.