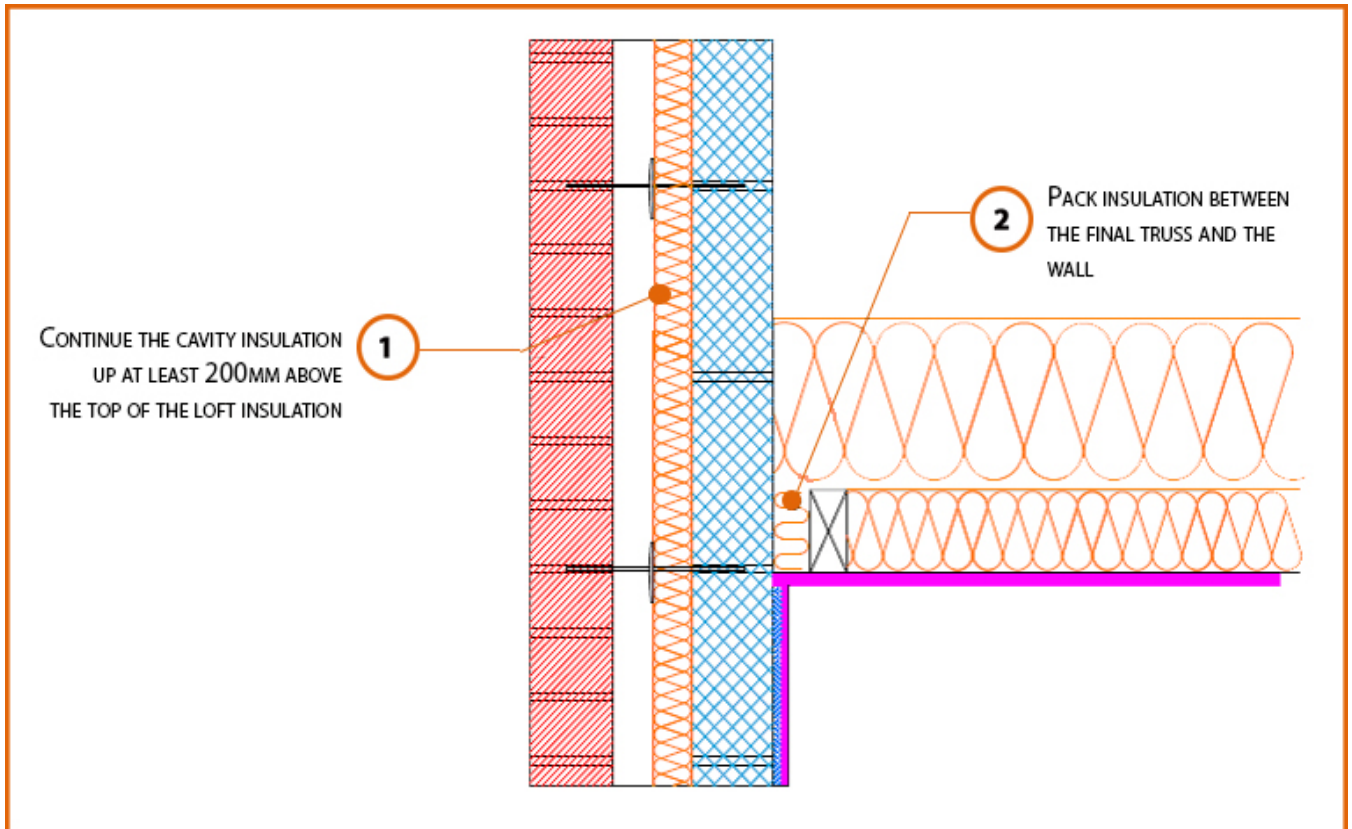


Registration Number: E12MCPF3



Build Up

External Masonry Cavity Wall
Masonry Outer Leaf ($\lambda = 0.77$)
Dense Concrete Block Inner Leaf $\lambda \leq 1.33$ W/mK
Partial 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
50mm $\lambda=0.022$	0.131
100mm $\lambda=0.022$	0.114

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.