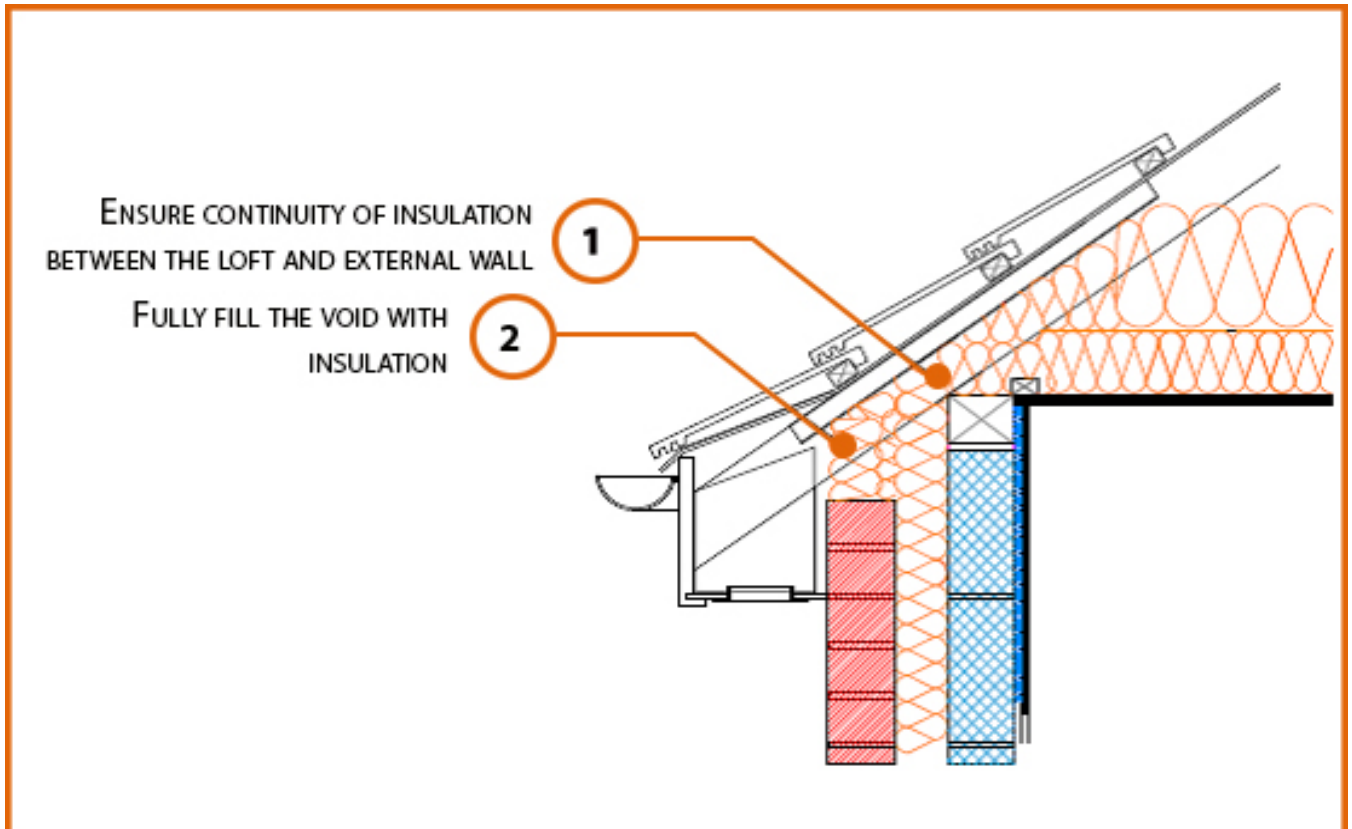


LABC Registered Construction Details Masonry



Registration Number: E10MCFF1



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 Eaves

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 $\lambda=0.037$	0.101
100mm $\lambda=0.032$	0.107
150mm $\lambda=0.037$	0.111
150mm $\lambda=0.032$	0.115

Points to Watch

- Ensure cavities are kept clean of mortar snots and other debris during construction
- Ensure gap between wall plate and eaves ventilator is fully filled to maintain continuity of insulation through the junction.
- Any vapour permeable roof underlay should be used in accordance with manufacturer's recommendations where it may be in contact with the insulation.
- The eaves insulation should not compromise the cross flow ventilation or free water drainage below timber battens.
- Fire resistance will also be required for room in roof situations.
- Fix ceiling plasterboard first and seal all gaps between ceiling and masonry then seal all penetrations through air barrier with flexible sealant.
- Read in conjunction with roof details E12 and E13.