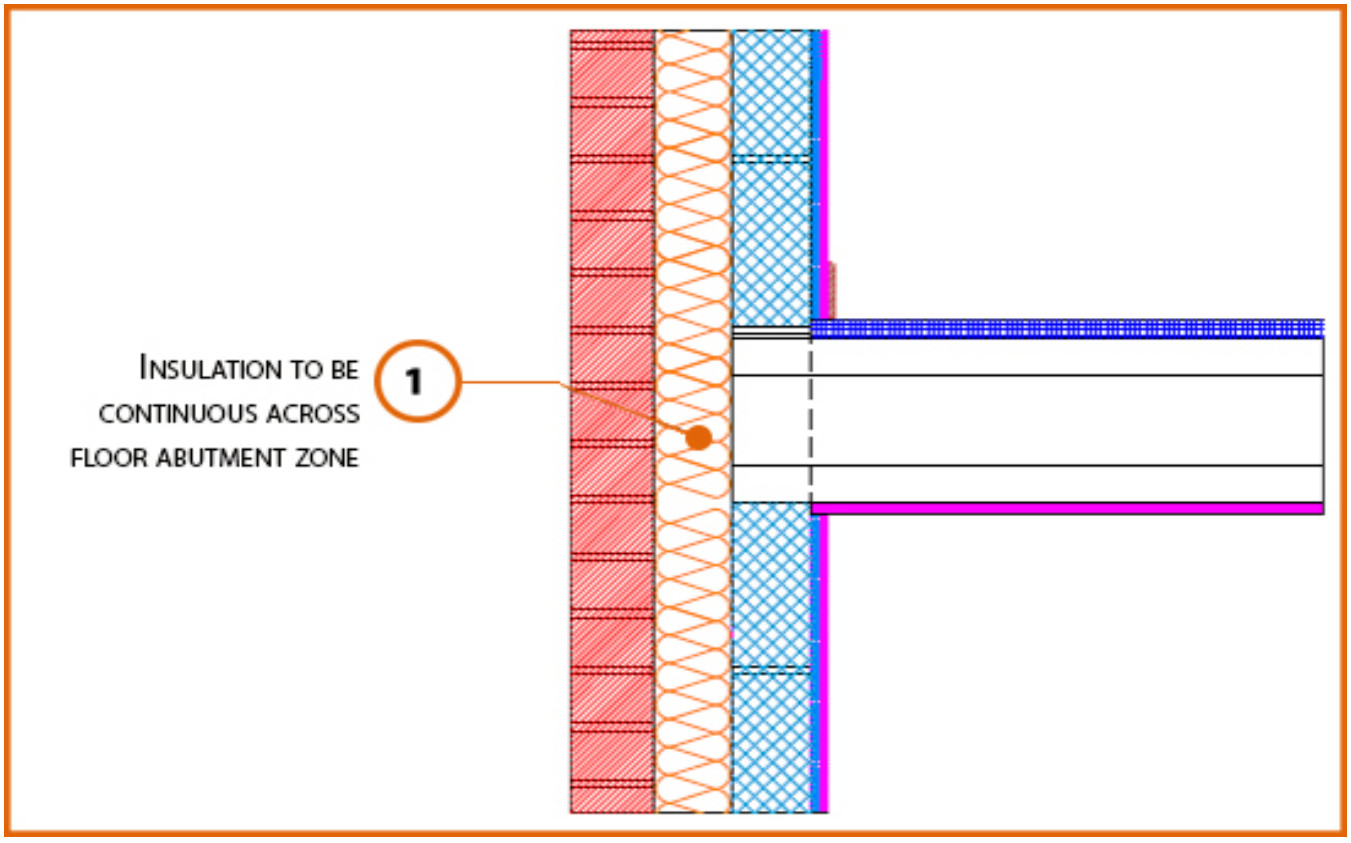
LABC Registered Construction Details
Masonry

Registration Number: E6MCFF3



Build Up

External Masonry Cavity Wall

Masonry Outer Leaf (λ = 0.77)

Dense Concrete Block λ ≤1.33 W/mK

Full Fill Insulation

Intermediate Timber Floor Within Dwelling

Timber Joist

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Calculated ψ-values

	Inner leaf blockwork
	Dense Concrete Block λ ≤1.33 W/mK
Cavity Insulation	ψ-value W/mK
100mm λ=0.037	**0.002**
100mm λ=0.032	**0.000**
150mm λ=0.037	**0.000**
150mm λ=0.032	**0.000**

Points to Watch

- Ensure cavities are kept clean of mortar snots and other debris during construction
- Seal between the wall air barrier and the floor above and below the connection with a flexible sealant.
- Seal all penetrations through the inner leaf with a flexible sealant or purpose made shoe, which should itself be sealed to the inner leaf.
- Joist hangers should be considered in preference to building timber joists into the inner leaf.
- Where engineered floor joists are used, careful attention should be paid to fixing filler pieces on both sides of the web between flanges.