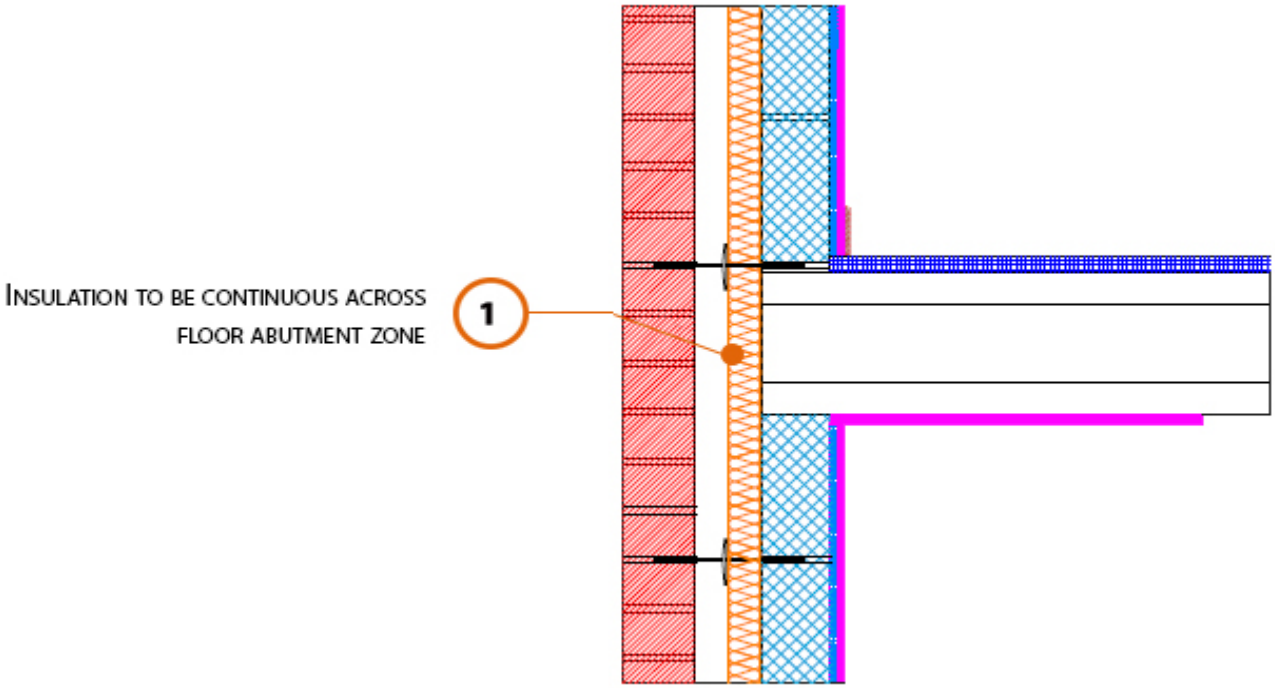
LABC Registered Construction Details
Masonry

Registration Number: E6MCPF1



Build Up

External Masonry Cavity Wall

Masonry Outer Leaf (λ = 0.77)

Ultra Lightweight Concrete Block Inner Leaf λ ≤ 0.28 W/mK

Partial Fill Insulation

Intermediate Timber Floor Within Dwelling

Timber Joist

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Calculated ψ-values

	Inner leaf blockwork
	Ultra Lightweight Concrete Block λ ≤ 0.28 W/mK
Cavity Insulation	**ψ-*value W/mK***
50mm λ=0.022	**0.000**
100mm λ=0.022	**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.