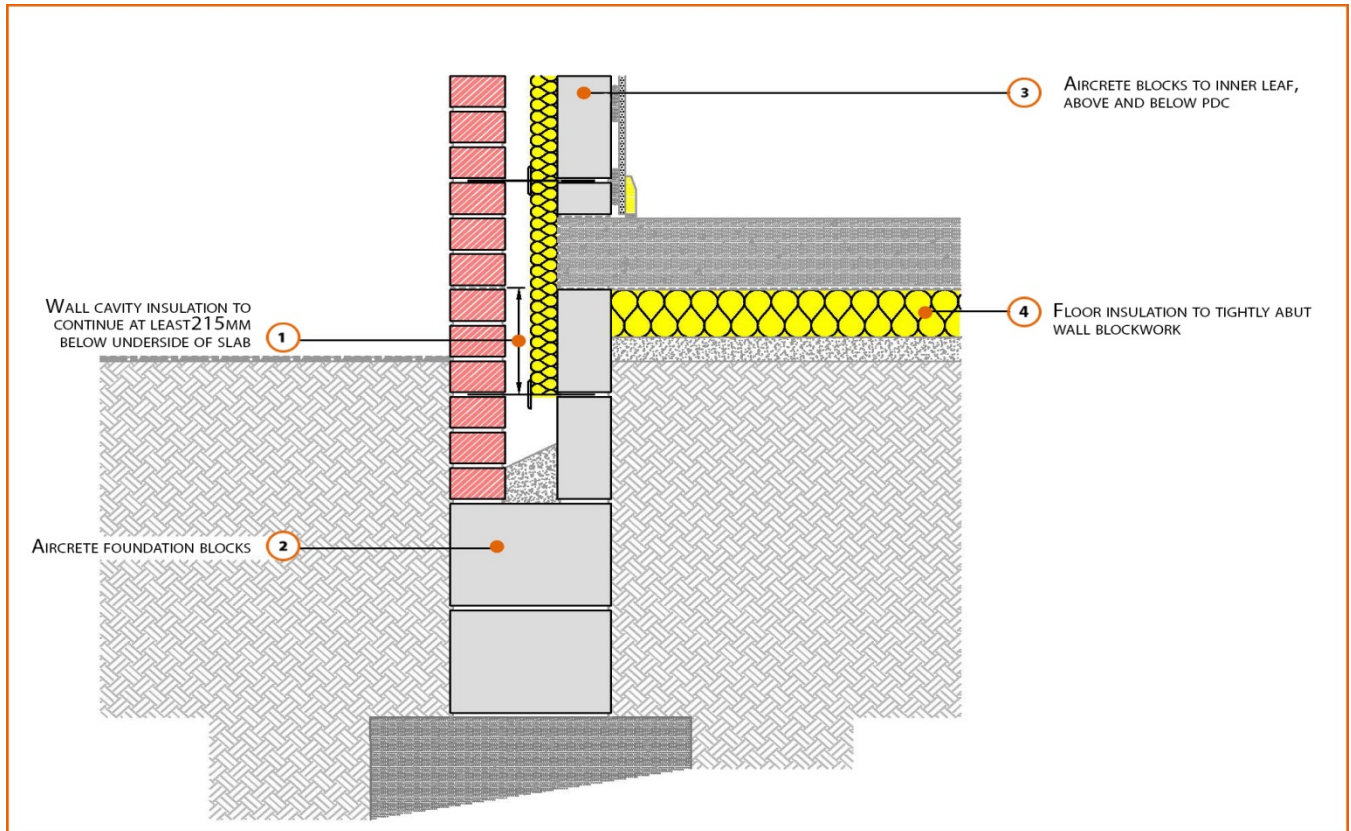


LABC Registered Construction Details

Masonry



Registration Number: E5MCPF32



Build Up

External Masonry Cavity Wall

Masonry Outer Leaf ($\lambda = 0.77$)

100mm Aircrete Block Inner Leaf ($\lambda = 0.15 \text{ W/mK}$)

Partial Fill Insulation

150mm Cast In-Situ Suspended Slab

150mm Insulation Below Slab (0.022 W/mK)



Calculated ψ -values

Cavity Insulation	Inner leaf blockwork
	Aircrete Block $\lambda = 0.15$ W/mK
	ψ -value W/mK
50mm $\lambda=0.022$	0.136
100mm $\lambda=0.022$	0.111

Points to Watch

- Ensure cavities are kept clean of mortar snots and other debris during construction
- Damp proof membrane / air barrier should be lapped to damp proof course and plaster stop bead.
- Any service penetrations through the damp proof membrane / air barrier should be suitably sealed.
- The wall insulation installed must be considered fit for purpose below the wall dpc in relation to water absorption.