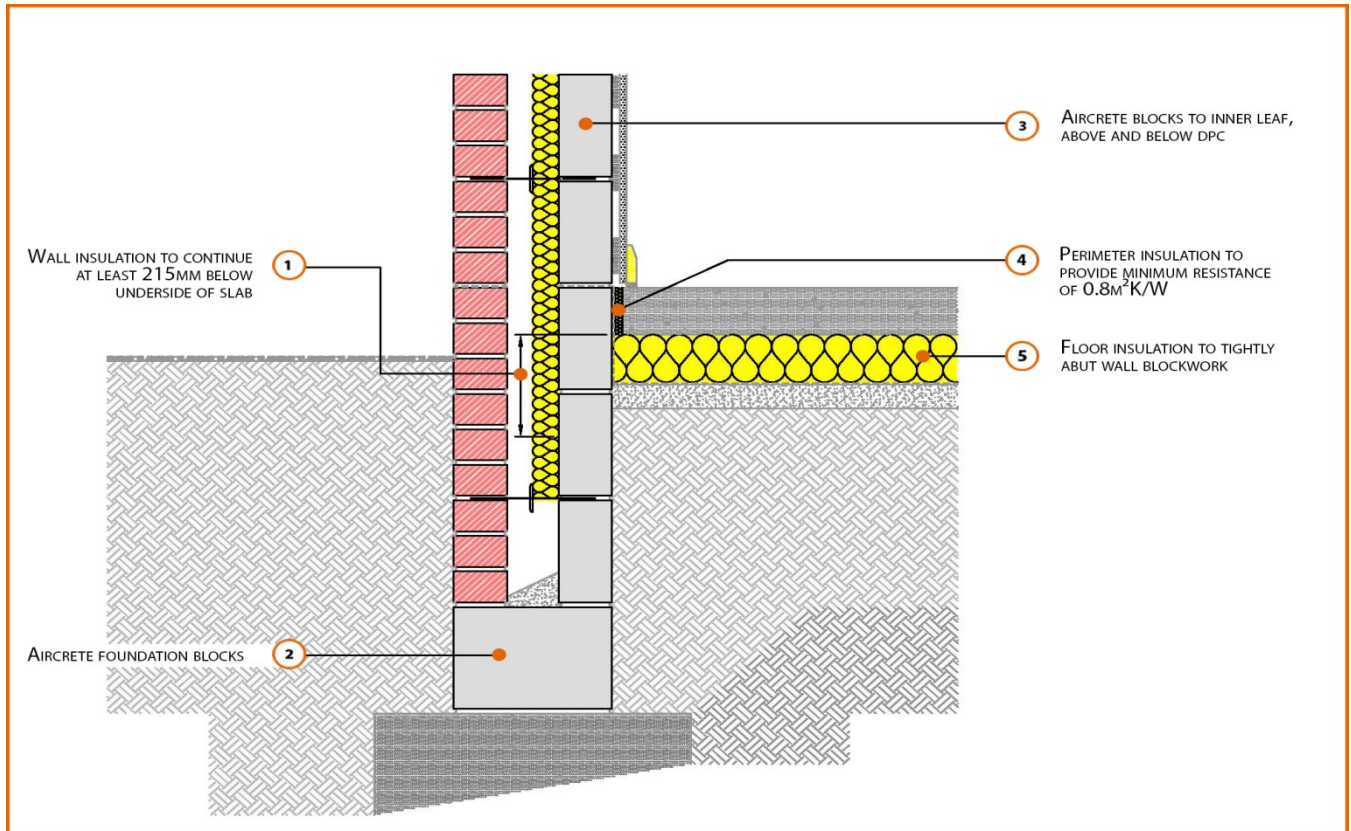


LABC Registered Construction Details

Masonry



Registration Number: E5MCPF26



Build Up

External Masonry Cavity Wall

Masonry Outer Leaf ($\lambda = 0.77$)

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

Partial Fill Insulation

In Situ Ground Bearing Concrete Floor

150mm Insulation Below Slab (0.022W/mK)



Calculated ψ -values

	Inner leaf blockwork
	Aircrete Block $\lambda = 0.15$ W/mK
Cavity Insulation	ψ -value W/mK
50mm $\lambda=0.022$	0.085
100mm $\lambda=0.022$	0.074

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.