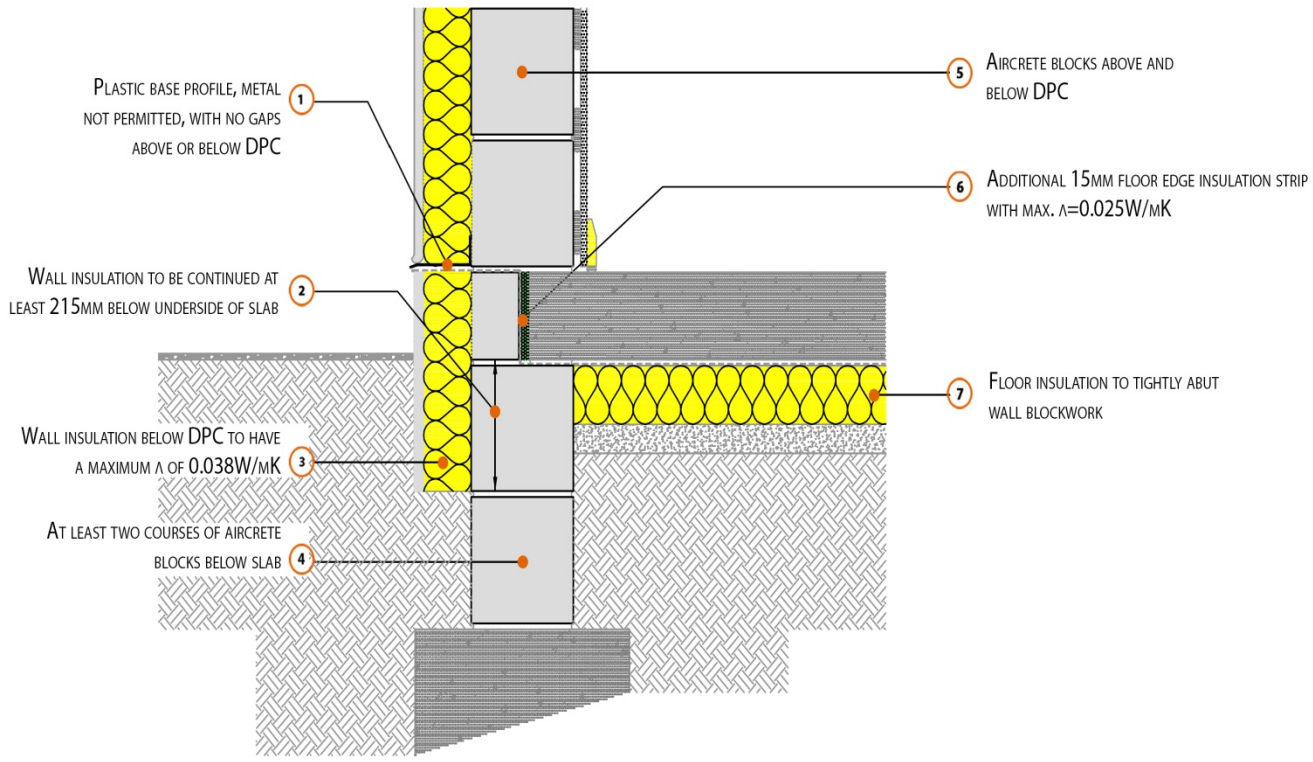
LABC Registered Construction Details
Masonry

Registration Number: E5SMEW24



Build Up

Solid External Masonry Wall

215mm Aircrete Solid Wall (λ ≤ 0.19 W/mK)

Render & Insulation (λ = 0.038 W/mK)

150mm Cast In-Situ Suspended Slab

150mm Insulation Below Slab (0.022W/mK)

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Calculated ψ-values

	Inner leaf blockwork
	Aircrete Block λ ≤ 0.19 W/mK
Cavity Insulation	ψ-*value W/mK*
75mm λ=0.038	**0.191**
100mm λ=0.038	**0.181**
150mm λ=0.038	**0.170**

Points to Watch

- Ensure block face is kept clean of mortar snots and other debris during construction to permit tight fit of external wall insulation.
- 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.
- Sub floor ventilation to be in accordance with manufacturers recommendations. A cavity barrier type sleeve should be used through the cavity.
- The wall insulation installed must be considered fit for purpose below the wall dpc in relation to water absorption.
- Seal between the wall air barrier and the floor above and below the connection with a flexible sealant.
- Render above dpc should finish with a defined plastic bell-cast render-stop. This will avoid the dpc being rendered over and bridged.
- Floor insulation must tightly abut the blockwork wall.