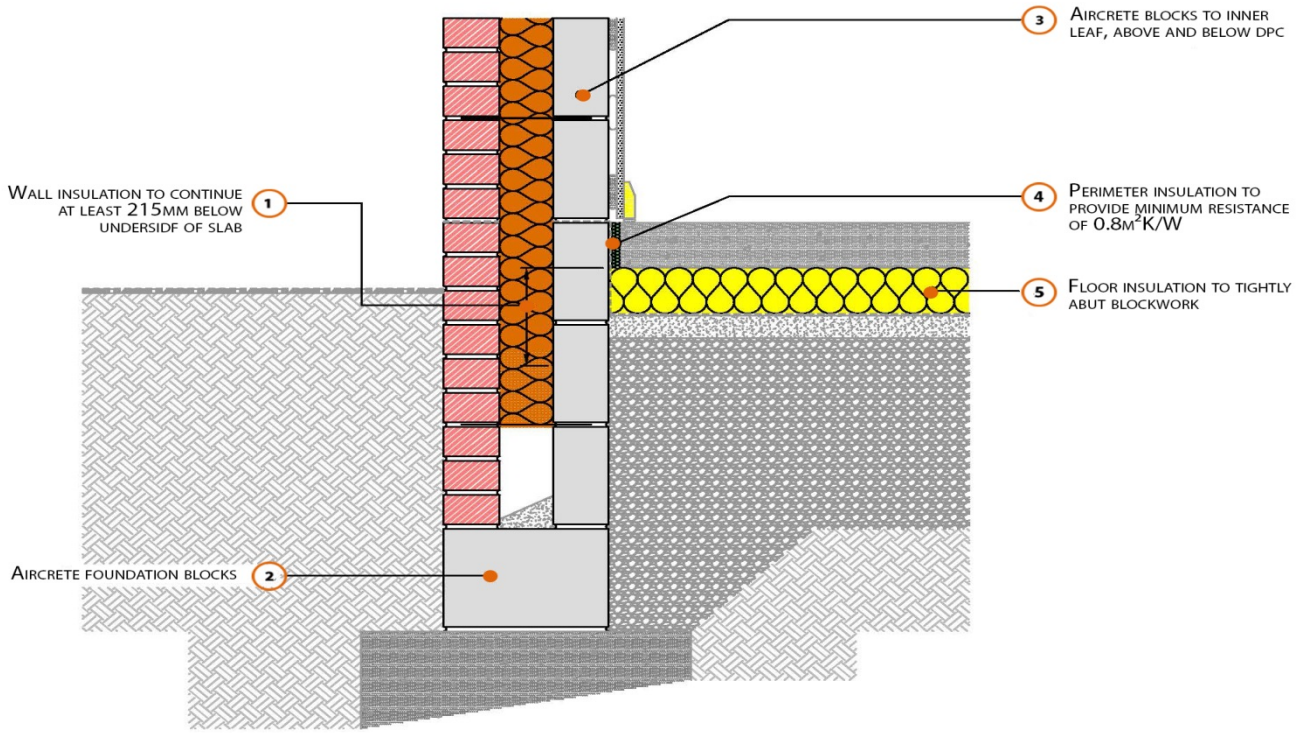
LABC Registered Construction Details
Masonry

Registration Number: E5MCFF23



Build Up

External Masonry Cavity Wall

Masonry Outer Leaf (λ = 0.77)

100mm Aircrete Block Inner Leaf (λ = 0.15 W/mK)

Full Fill Insulation

In Situ Ground Bearing Concrete Floor

100mm Insulation Below Slab (0.022W/mK)

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Calculated ψ-values

	Inner leaf blockwork
	Aircrete Block λ = 0.15 W/mK
Cavity Insulation	ψ-*value W/mK*
100mm λ=0.037	**0.087**
150mm λ=0.037	**0.077**
100mm λ=0.032	**0.084**
150mm λ=0.032	**0.075**

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.

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Registered Construction Details Worksheet

Project	Date

Designer

Assessment Stage

SAP Assessor Name	Date verified
Name	

Build Stage

Builder	Date Installed

Inspection Stage

Checked By	Date Inspected

Thermal Specification	Required λ value
Outer Leaf	
Cavity Insulation	
Inner Leaf	
Internal finish	
Floor Insulation	
Perimeter Insulation	
Roof Insulation	
Cavity Closer	
Windows	
Doors	

Product Specified	Stated λ Value

Applicable Detail Reference Numbers used

Reference No	Description	Stated Ψ Value from Table W/mK	Default Ψ W/mK	F Value From Table
e.g. E5 MFF 1	Suspended beam and block floor – 100mm Insulation below screed External wall	0.056	0.16	0.921