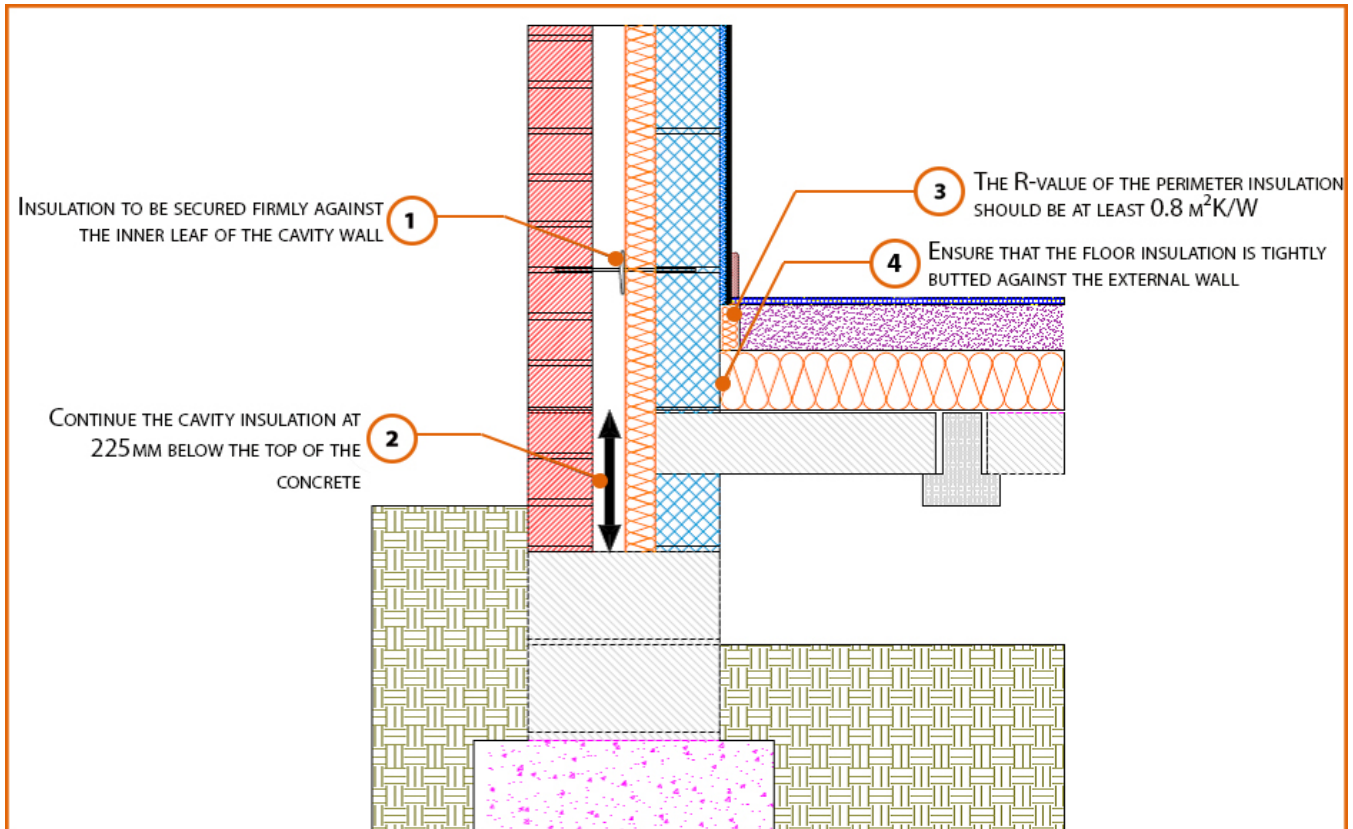


## Registration Number: E5MCPF9



### Build Up

External Masonry Cavity Wall  
Masonry Outer Leaf ( $\lambda = 0.77$ )  
Dense Concrete Block Inner Leaf  $\lambda \leq 1.33 \text{ W/mK}$   
Partial Fill Insulation  
Beam and Block Floor  
Lightweight Floor Block  
150mm Insulation Below Screed ( $0.022\text{W/mK}$ )

## Calculated $\psi$ -values

	Inner leaf blockwork
	Dense Concrete Block $\lambda \leq 1.33$ W/mK
Cavity Insulation	$\psi$ -value W/mK
50mm $\lambda=0.022$	<b>0.154</b>
100mm $\lambda=0.022$	<b>0.159</b>

## 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.
- 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.