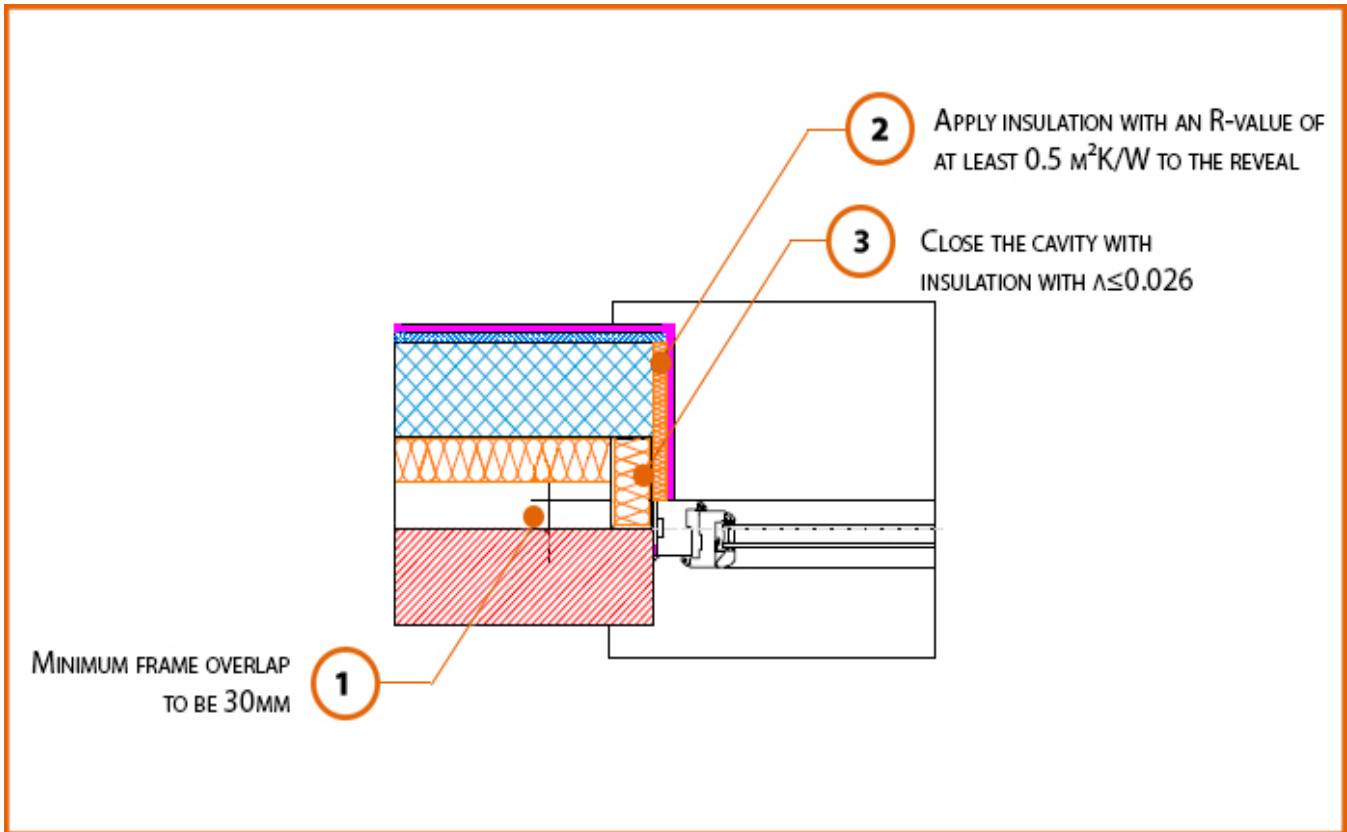


## Registration Number: E4MCPF1



### Build Up

External Masonry Cavity Wall

Masonry Outer Leaf

Ultra Lightweight Concrete Block Inner Leaf  $\lambda \leq 0.28 W/mK$

Partial Fill Insulation

Window Jamb

# LABC Registered Construction Details

## Masonry



## Calculated $\psi$ -values

Cavity Insulation	Inner leaf blockwork
	Ultra Lightweight Concrete Block $\lambda \leq 0.28$ W/mK
	$\psi$ -value W/mK
50mm $\lambda=0.022$	<b>0.055</b>
100mm $\lambda=0.022$	<b>0.041</b>

## Points to Watch

- A flexible sealant should be used between all interfaces of the internal air barrier and the window / door frame members.
- Cavity barriers around openings may be formed by the window or door frame if the frame is steel (0.5mm thick) or timber (38mm thick).
- Ensure the cavity closer is in contact with the insulation within the cavity and the window / door frame.
- Ensure cavities are kept clean of mortar snots and other debris during construction
- Ensure that the damp proof course is correctly positioned.
- This detail cannot be used if a checked reveal is proposed.
- Cavity barriers may require an additional vertical DPC and/or cavity tray.
- Fire rated cavity barrier / closer may be required depending on position and type of window and construction of internal reveal

