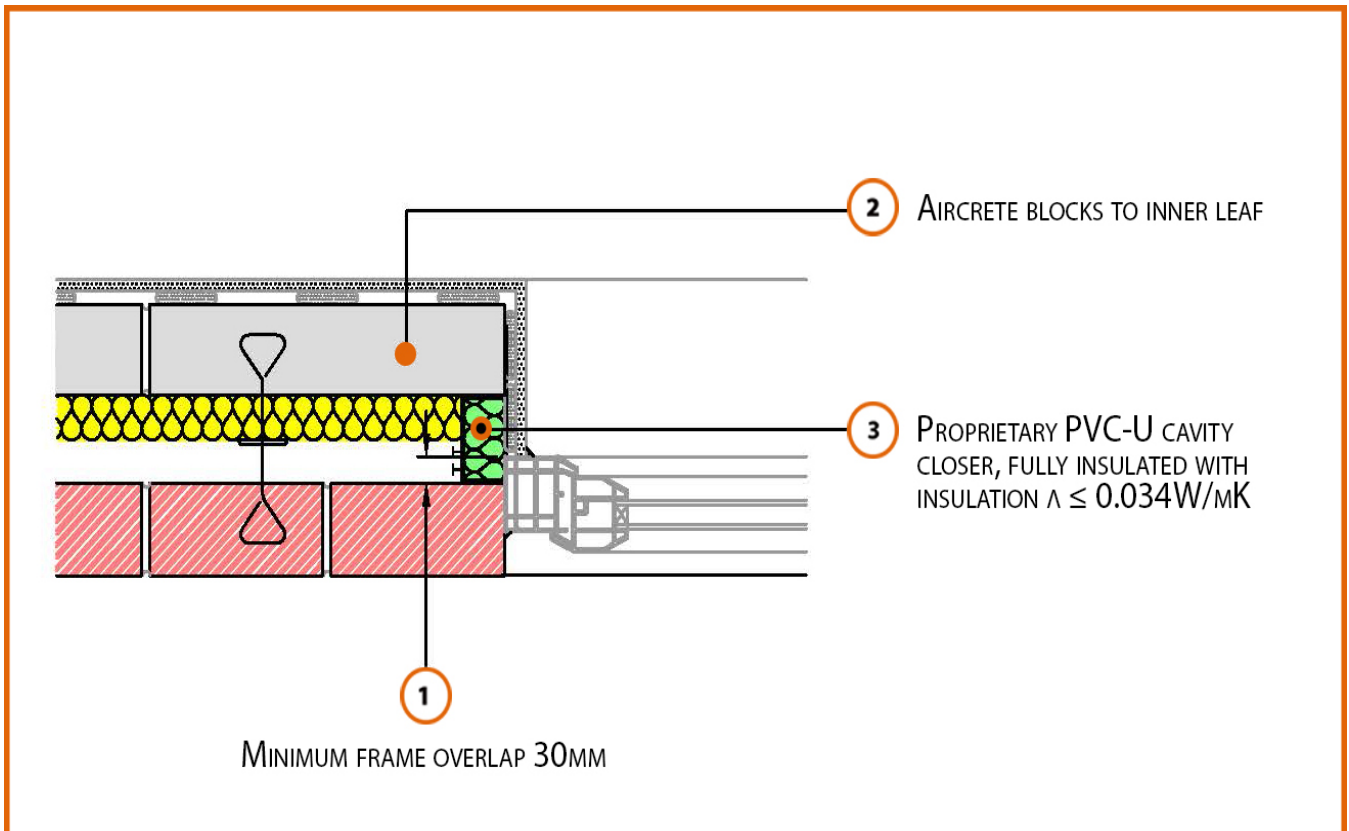


LABC Registered Construction Details

Masonry



Registration Number: E4MCPF4



Build Up

External Masonry Cavity Wall

Masonry Outer Leaf

100mm Aircrete Block Inner Leaf ($\lambda = 0.11\text{ W/mK}$)

Partial Fill Insulation

Window Jamb



Calculated ψ -values

	Inner leaf blockwork
	Aircrete Block $\lambda = 0.11$ W/mK
Cavity Insulation	ψ -value W/mK
50mm $\lambda=0.022$	0.036
100mm $\lambda=0.022$	0.045

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