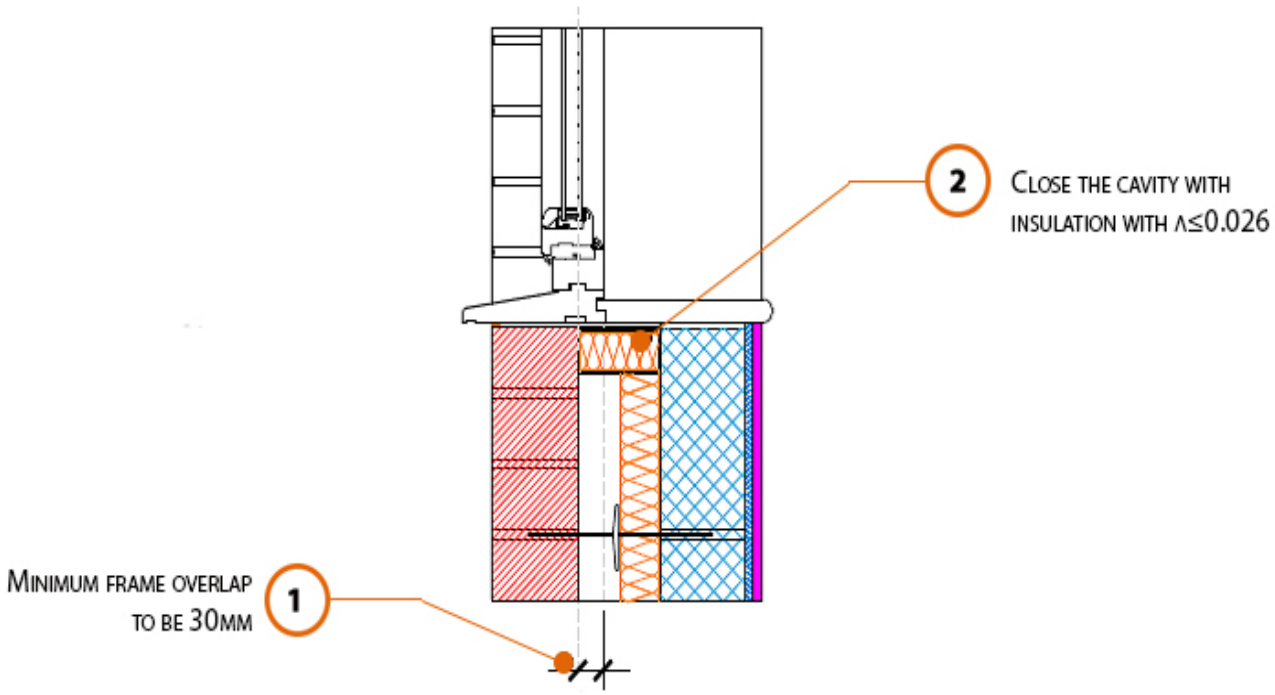
LABC Registered Construction Details
Masonry

Registration Number: ECMCPF3



Build Up

External Masonry Cavity Wall

Masonry Outer Leaf (λ = 0.77)

Dense Concrete Block Inner Leaf λ ≤1.33 W/mK

Partial Fill Insulation

Window Sill

LABC Registered Construction Details Masonry

Calculated ψ-values

	Inner leaf blockwork
	Dense Concrete Block λ ≤1.33 W/mK
Cavity Insulation	ψ-value W/mK
50mm λ=0.022	**0.018**
100mm λ=0.022	**0.027**

Points to Watch

- 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
- A flexible sealant should be applied to the junction between the plaster/ plasterboard, sill board and window frame member
- Sealant should be added to the front and back of the sill board
- Ensure that the damp proof course is correctly positioned.
- 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 thickness of window board