H+H Calculated Ψ-values

In accordance with BRE Report BR497 (2016) and IP 1/06 (using TRISCO version 13.0w)

PARTNERS IN WALL BUILDING

External wall junctions

E3 Sill

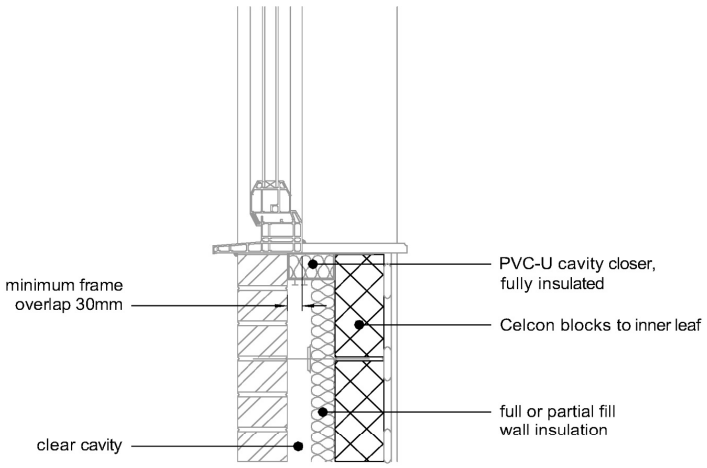
SL002 - Proprietary fully insulated closer (Cavalok), 30mm frame overlap

Inner leaf	Insulation thickness (mm)	Calculated Ψ-value (W/mK)					
		Insulation thermal conductivity (W/mK)					
		Part Fill (foil faced)			Full Fill		
		0.018	0.022	0.030	0.032	0.037	0.045
EW0--	50	**0.035**	**0.033**	**0.031**			
	75	**0.042**	**0.039**	**0.036**			
100mm Celcon Solar	100	**0.047**	**0.045**	**0.042**	**0.029**	**0.028**	**0.026**
	125				**0.034**	**0.033**	**0.031**
	150				**0.038**	**0.037**	**0.035**
EW1--	50	**0.035**	**0.033**	**0.030**			
	75	**0.042**	**0.039**	**0.035**			
100mm Celcon Standard	100	**0.047**	**0.045**	**0.041**	**0.028**	**0.027**	**0.025**
	125				**0.034**	**0.032**	**0.030**
	150				**0.038**	**0.037**	**0.035**
EW2--	50	**0.035**	**0.032**	**0.029**			
	75	**0.042**	**0.039**	**0.035**			
100mm Celcon High or Super Strength	100	**0.047**	**0.045**	**0.041**	**0.028**	**0.027**	**0.025**
	125				**0.034**	**0.032**	**0.030**
	150				**0.038**	**0.037**	**0.035**

Above Ψ-values have been based on H+H Standard Detail Drawings HH - PF - 06 for Part Fill and HH - FF - 06 for Full Fill. Deviation from these drawn details will have an affect on the calculated Ψ-values.

All calculations assume a Brick outer leaf and Plasterboard on dabs internal finish

All details have calculated temperature factors (f) which are not less than the BRE IP 1/06 critlcal temperature factor of 0.75



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