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

E4 Jamb

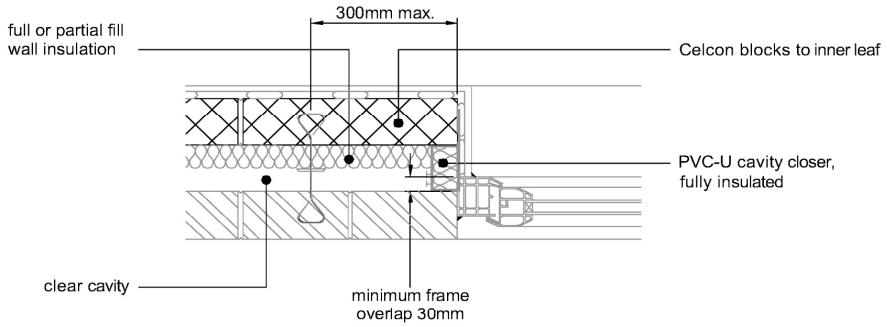
RV002 - Proprietary fully insulated closer (Cavalok), 30mm frame overlap

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-- 100mm Celcon Solar	50	0.038	0.036	0.033			
	75	0.045	0.043	0.039			
	100	0.051	0.049	0.046	0.031	0.030	0.029
	125				0.038	0.036	0.034
	150				0.042	0.040	0.039
EW1-- 100mm Celcon Standard	50	0.038	0.036	0.033			
	75	0.045	0.043	0.039			
	100	0.051	0.049	0.045	0.031	0.030	0.028
	125				0.037	0.036	0.033
	150				0.041	0.040	0.038
EW2-- 100mm Celcon High or Super Strength	50	0.038	0.036	0.032			
	75	0.045	0.043	0.038			
	100	0.051	0.049	0.045	0.031	0.029	0.028
	125				0.037	0.035	0.033
	150				0.041	0.040	0.038

Above Ψ-values have been based on H+H Standard Detail Drawings HH - PF - 07 for Part Fill and HH - FF - 07 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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