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

E2 Other lintels (including other steel lintels)

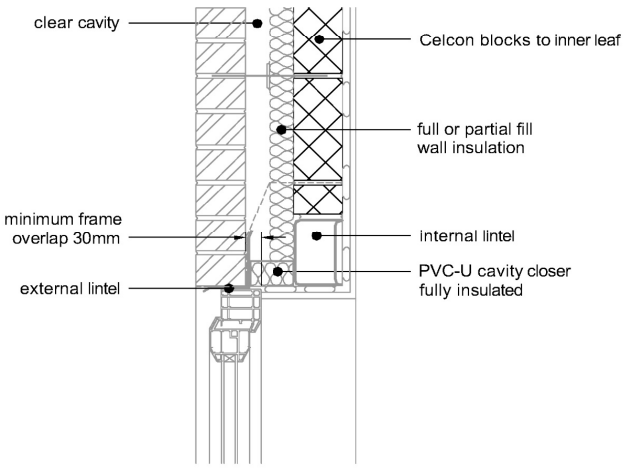
LN002 - Independent lintels, Proprietary fully insulated closer (Cavalok), 30mm frame overlap

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	0.050	0.050	0.051			
	75	0.054	0.053	0.051			
	100	0.059	0.057	0.055	0.044	0.044	0.046
	125				0.047	0.047	0.047
	150				0.050	0.050	0.049
EW1-- 100mm Celcon Standard	50	0.049	0.048	0.048			
	75	0.053	0.052	0.050			
	100	0.058	0.056	0.054	0.042	0.042	0.043
	125				0.046	0.046	0.045
	150				0.049	0.048	0.048
EW2-- 100mm Celcon High or Super Strength	50	0.048	0.047	0.047			
	75	0.053	0.051	0.049			
	100	0.058	0.056	0.053	0.041	0.041	0.042
	125				0.046	0.045	0.044
	150				0.049	0.048	0.047

Above Ψ-values have been based on H+H Standard Detail Drawings HH - PF - 04 for Part Fill and HH - FF - 04 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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