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)

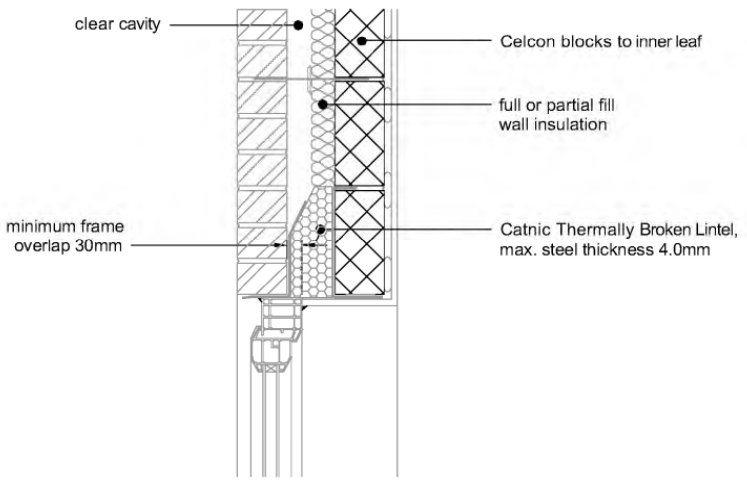
LN005 - Catnic Thermally Broken Lintel (max 4mm steel), 30mm frame overlap

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	0.056	0.049	0.038			
	75	0.060	0.053	0.043			
	100	0.044	0.038	0.029	0.058	0.052	0.044
	125				0.056	0.051	0.043
	150				0.037	0.032	0.025
EW1-- 100mm Celcon Standard	50	0.055	0.047	0.035			
	75	0.059	0.052	0.041			
	100	0.043	0.037	0.027	0.056	0.050	0.041
	125				0.055	0.050	0.041
	150				0.036	0.031	0.023
EW2-- 100mm Celcon High or Super Strength	50	0.054	0.046	0.034			
	75	0.058	0.052	0.040			
	100	0.043	0.037	0.026	0.055	0.049	0.040
	125				0.055	0.049	0.040
	150				0.036	0.030	0.023

Above Ψ-values have been based on H+H Standard Detail Drawings HH - PF - 26 for Part Fill and HH - FF - 26 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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