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

E11 Eaves (insulation at rafter level)

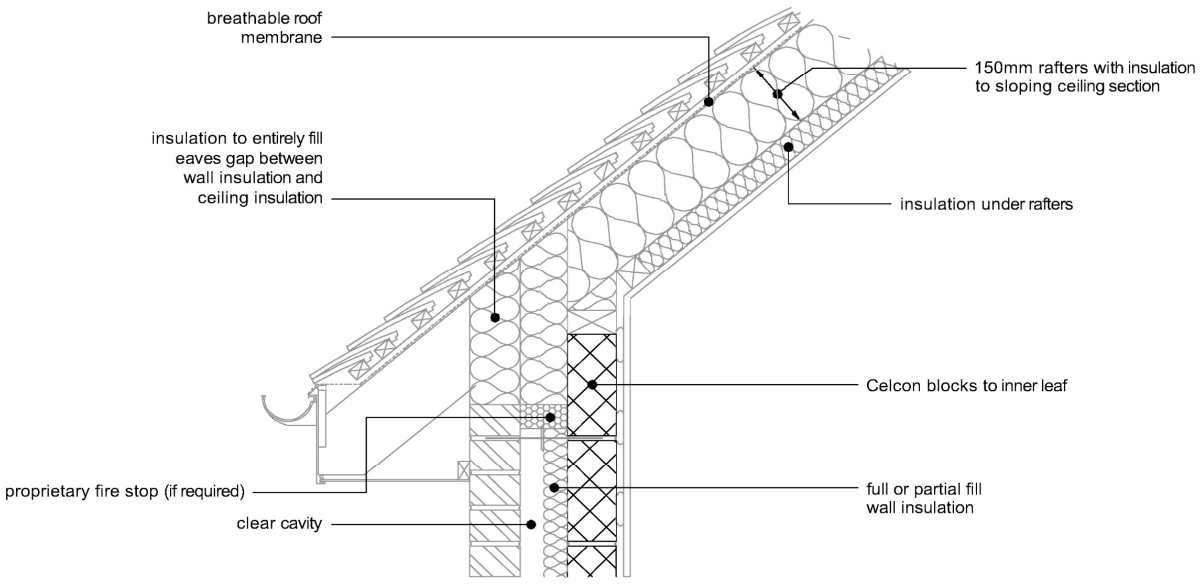
RE022 - 150mm insulation (0.022W/mK) between + 50mm (0.022W/mK) beneath rafters

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	0.031	0.021	0.005			
	75	0.042	0.033	0.019			
	100	0.048	0.041	0.027	0.027	0.019	0.007
	125				0.033	0.025	0.014
	150				0.037	0.030	0.020
EW1-- 100mm Celcon Standard	50	0.031	0.020	0.003			
	75	0.043	0.033	0.018			
	100	0.049	0.041	0.027	0.027	0.018	0.005
	125				0.033	0.025	0.013
	150				0.037	0.029	0.019
EW2-- 100mm Celcon High or Super Strength	50	0.031	0.020	0.002			
	75	0.043	0.033	0.017			
	100	0.049	0.041	0.027	0.027	0.018	0.004
	125				0.033	0.024	0.012
	150				0.037	0.029	0.018

Above Ψ-values have been based on H+H Standard Detail Drawings HH - PF - 23 for Part Fill and HH - FF - 23 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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