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

E10 Eaves (insulation at ceiling level)

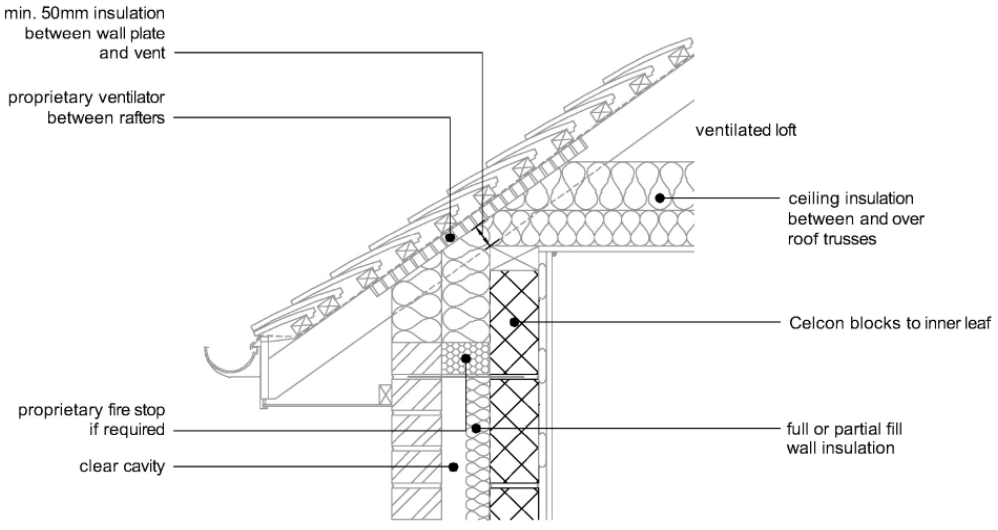
RE001 - 400mm insulation quilt (0.044W/mK), minimum roof pitch 40°

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	0.089	0.080	0.066			
	75	0.100	0.092	0.079			
	100	0.106	0.099	0.088	0.086	0.079	0.068
	125				0.092	0.085	0.075
	150				0.096	0.090	0.081
EW1-- 100mm Celcon Standard	50	0.090	0.081	0.065			
	75	0.102	0.093	0.079			
	100	0.108	0.101	0.088	0.087	0.079	0.067
	125				0.093	0.086	0.075
	150				0.097	0.091	0.081
EW2-- 100mm Celcon High or Super Strength	50	0.091	0.081	0.065			
	75	0.103	0.094	0.080			
	100	0.109	0.102	0.089	0.087	0.079	0.067
	125				0.093	0.086	0.075
	150				0.098	0.091	0.082

Above Ψ-values have been based on H+H Standard Detail Drawings HH - PF - 12 for Part Fill and HH - FF - 12 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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