SAP 2012 Overheating Assessment

Calculated by Stroma FSAP 2012 program, produced and printed on 24 September 2021

Property Details: 13049 - 4 Passive Ventilation

Dwelling type: Located in: Region: Cross ventilation possible: Number of storeys: Front of dwelling faces: Overshading: Overhangs: Thermal mass parameter: Night ventilation: Blinds, curtains, shutters: Ventilation rate during hot weather (ach): Overheating Details:				Flat England Thames valley Yes 1 North Average or unknown None Indicative Value Medium False None 0.8 (Windows slightly open (50 mm))			
Summer ventilation heat loss coefficient: Transmission heat loss coefficient:				80.41			(P1)
Summer heat loss coefficient:				99.9 180.35 (P2)			
Overhangs:							
	Dette		7				
Orientation:	Ratio:		Z_overhangs:				
South (Rear Windows) East (E Windows)	0 0		1				
North (Front Windows)	-		1				
Solar shading:							
Orientation:	Z blinc	ls:	Solar access:	Over	hangs:	Z summer:	
South (Rear Windows)	1		0.9	1		0.9	(P8)
East (E Windows)	1		0.9	1		0.9	(P8)
North (Front Windows)	1		0.9	1		0.9	(P8)
Solar gains:							
Orientation		Area	Flux	g_	FF	Shading	Gains
South (Rear Windows)	0.9 x	13.51	112.21	0.76	0.7	0.9	653.23
East (E Windows)	0.9 x	6.85	117.51	0.76	0.7	0.9	346.86
North (Front Windows)	0.9 x	4.91	81.19	0.76	0.7	0.9	171.77
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						Total	1171.86 (P3/P4)
Internal gains:						Total	1171.86 (P3/P4)
Internal gains Internal gains Total summer gains Summer gain/loss ratio Mean summer external Thermal mass temperat Threshold temperature Likelihood of high inter	ture incre	ement			9.57 80.73 87 25 12	Total July 526.84 1698.7 9.42 17.9 0.25 27.57 High	1171.86 (P3/P4) August 537.04 1626.36 (P5) 9.02 (P6) 17.8 0.25 27.07 (P7) High