

Project Info Date Client	rmation 9 October 2019 Andrew Findlay 2 Cedar Chase Taplow Maidenhead SL6 OEU	, Cedar Chase	e Residents S	ociety Pr	oject		oof Rep dar Cha	blacement 2019 ase
Construction Type								
Element		of, ceiling at rafter line - Pitched Roofs - Un-ventilated -						
Insulation All Between Rafters 600mm Rafter Spacing								
Pitched Roofs - Un-ventilated - Insulation All Between Rafters 600mm Rafter Spacing Internal surface emissivity : High External surface emissivity : High								
			Thickness	5		•		Bridge details
				Conductivi				Airgaps
			(mm)	(W/mK)	ُ (m²k	<td>.,</td> <td>(Level, Delta U")</td>	.,	(Level, Delta U")
Outside surface resistance			-	-		040		
Tiling including batten space			-	-	0.1	120		
Breather membrane draped			-	-	-	454		
Cavity (low emissivity) between rafters @ 600 ctrs minimum 25mm			25.0	-	0.4	0.454		7.833% Timber
Celotex XR4000 between rafters @ 600			150.0		6.818			(25.0mm) 7.833% Timber
ctrs			130.0			(150.0mm)		
0113								L:10.010W/m <sup>2</sup> K
Polythene, 1	000 gauge VCL		-	-	-			
Wallboard			12.5	-	0.0	066		
Inside surface resistance			-	-	0.1	0.100		
	$10M/m^{2}$							

U-value = 0.18W/m<sup>2</sup>K

U-value, Combined Method : 0.180W/m<sup>2</sup>K (upper/lower limit 5.947 / 5.661m<sup>2</sup>K/W, dUf 0.0000, dUg 0.0081, dUp0.0000, dUrc1 0.0000, dUrc2 0.0000)

Correction factors Air gaps, Delta Ug = 0.008W/m<sup>2</sup>K

(Based on the combined method for determining U-values of structures containing repeating thermal bridges)

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