
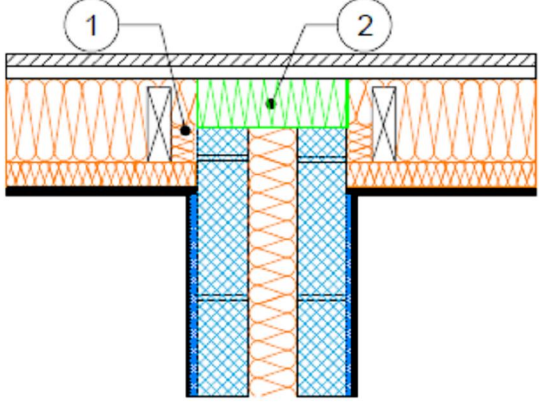
	Linear Thermal Transmittance (ψ-value) Temperature Factor (f-value)	
---	--	---

Certificate No: CBA-307	Issued : November 2014
Issued by Concrete Block Association	

Separating wall and roof with insulation at rafter level Table K1 Ref P5 Default value = 0.08 W/mK	Separating wall	Two leaves of lightweight or dense blockwork with a fully filled cavity
	Roof insulation	150mm of insulation with $\psi = 0.044$ W/mK between the rafters and 50mm with $\psi = 0.022$ W/mK below the rafters

Key Points

- 1 Fill the space between the separating wall and last rafter with insulation.
- 2 Proprietary fire stop max. 0.044W/mK.



Calculated ψ -values and f-values for separating wall / roof junction insulated at rafter level

Separating wall block	ψ -value W/mK *	f-value
Lightweight	0.035	0.961
Dense	0.045	0.968

*** Half the ψ -value shown should be applied to each dwelling.**

The f-value should be above 0.75 to minimise the risk of mould in dwellings.

Calculations have been performed in accordance with:
 BS EN ISO 10211:2007, BR497 and BS EN ISO 13370:2007

Calculation prepared by: Chris Sanders B.Sc, M.Sc, GCU, Cowcaddens Rd, Glasgow G4 0BA.
 For more information contact **0116 232 5165** (C.B.A)

On-site Checklist

- Space between the separating wall and last joist filled with insulation
- Proprietary fire stop max 0.044W/mK

Site manager/supervisor.....

Site name.....

Plot number.....

Date.....