

U-value calculation

by BRE U-value Calculator version 2.03

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Filename: C:\Documents and Settings\AlanM\My Documents\Co-ordinate\CO 149 Eden Lime Morter\1 General Correspondence\Solid Wall 500mm 1.2.uva (File saved: 07 Mar 2011 13:25)

Element type: Wall - Masonry solid wall

Calculation Method: BS EN ISO 6946

Solid Wall 500mm

Eden Lime Mortar

Edenholme

Great Musgrave

Kirkby Seephen, CA17 4DP

<u>Layer</u>	<u>d (mm)</u>	<u>λ layer</u>	<u>λ bridge</u>	<u>Fraction</u>	<u>R layer</u>	<u>R bridge</u>	<u>Description</u>
					0.130		Rsi
1	50	0.113			0.442		Eden Lime Mortar
2	500	2.300	0.880	0.0300	0.217	0.568	Sandstone
					<u>0.040</u>		Rse
	<u>550 mm</u> (total wall thickness)				0.830		

Total resistance: Upper limit: 0.837 Lower limit: 0.834 Ratio: 1.004 Average: 0.836 m²K/W

U-value 1.197

U-value (rounded) 1.20 W/m²K

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