



External wall ▼

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Internal surface resistance  m2K/W

External surface resistance  m2K/W

Upper limit resistance 1.46 m2K/W

Lower limit resistance 1.26 m2K/W

Corrections 0.0000 W/m2K 0.00 %



Cavity wall with lightweight m. ▼

The example constructions can take a few seconds to be displayed

**U-value 0.74 W/m2K**

Restart

Layer	Material	Colour	Thermal conductivity (W/mK)	Thickness (mm)	Thermal resistance (m2KW)	Bridged layer	Corrections
Layer1	Outer leaf brick		0.77	102	0.13	<input type="checkbox"/>	<input type="checkbox"/>
Layer2	Air cavity		0.2777	50	0.18	<input type="checkbox"/>	<input type="checkbox"/>
Layer3	AAC blocks		0.11	125	0.77	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Bridged by 6.7 % of Mortar		0.88				

**Resistance**

Heat path 1	6.7	%	0.62	Outer leaf brick - Air cavity - Mortar
Heat path 2	93.3	%	1.62	Outer leaf brick - Air cavity - AAC blocks