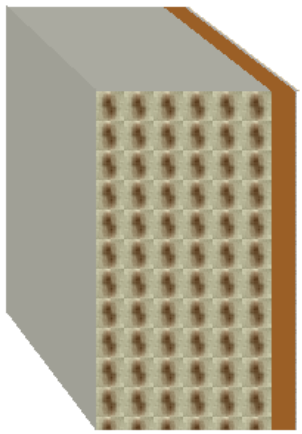
MIKE WYE

Documentation of the component
Thermal transmittance (U-value) according to BS EN ISO 6946
Source: **own catalogue - External walls**
Component: **Matthew Brownrigg - Wall**

OUTSIDE INSIDE



Assignment: External wall

		Manufacturer	Name	Thickness [m], number	Lambda [W/(mK)]	Q	R [m²K/W]
		Rse					0.0400
☑	1	BS EN 12524	Limestone, semi-hard & Mortar outer leaf (f = 0.067)	0.6000	1.369	D	0.4382
☑	2	Baumit	NHL Thermo	0.0200	0.080	E	0.2500
☑	3	Secil	Isovit LIME	0.0030	0.450	E	0.0067
☑	4	Steico	Therm Wet / Internal	0.0600	0.038	E	1.5789
		Air gaps	Level 1: dU" = 0.01 W/(m²K)				
☑	5	Secil	Isovit LIME	0.0060	0.450	E	0.0133
☑	6	Secil	Reabilita CAL AC	0.0020	0.450	E	0.0044
		Rsi					0.1300
				0.6910			

$R_T = R_{si} + \Sigma R_i + R_{se} = 2.46$ m²K/W

Correction to U-value for	according to	delta U [W/(m²K)]
Air gaps	BS EN ISO 6946 Annex F	~~0.0041~~
Air gaps and fixings corrections need not be applied, as their total effect is less than 3% (Annex D BS 6946:1996).		
		0.0000

$U = 1/R_T + \Sigma\Delta U = 0.41$ W/(m²K)

Q .. The physical values of the building materials has been graded by their level of quality. These 5 levels are the following
A .. A: Data is entered and validated by the manufacturer or supplier. Data is continuously tested by 3rd party.
B .. B: Data is entered and validated by the manufacturer or supplier. Data is certified by 3rd party
C .. C: Data is entered and validated by the manufacturer or supplier.
D .. D: Information is entered by BuildDesk without special agreement with the manufacturer, supplier or others.
E .. E: Information is entered by the user of the BuildDesk software without special agreement with the manufacturer, supplier or others.

U = **0.41** W/(m²K) R_T= **2.46** m²K/W