

Yorkshire Building Services (Whitwell) Ltd

Unit 1 Craggs Industrial Park

Morven Street, Creswell

S80 4AJ

Tel: (0905) 0660062 *

Project Information

Reference

Date

Client John Falcon

Project 69 Moss Wood Road
Beauchief

Construction Type

Element : Wall

Exposure : Normal

Internal surface emissivity : high

External surface emissivity : high

Construction

	Thickness (mm)	Thermal Conductivity (W/mK)	Thermal Resistance (m ² K/W)	Pitch & Bridge Details
Outside surface resistance	-	-	0.060	
Brick, External	102.50	0.770	0.133	bridged by 17.2% Mortar (102.5mm)
Cavity	-	-	0.180	
Dense Block	100.00	1.100	0.091	
Batten Cavity	25.00	-	0.000	
Super Quilt (Expands to 40mm)	7.00	-	2.440	
Counter Batten Cavity	25.00	-	0.000	
Insulated Plasterboard	30.00	-	0.560	
Inside surface resistance	-	-	0.120	

Uvalue

U-value, Proportional Area Method : 0.28 W/m²K

U-value, Combined Method : 0.28W/m²K (lower limit = 3.583m²K/W, upper limit = 3.583m²K/W)

(Correction for mechanical fasteners, Delta U_f = 0.000W/m²K)

(Correction for air gaps, Delta U_g = 0.000W/m²K)

(Based on the proportional area calculation method and combined method
for determining U-values of structures containing repeating thermal bridges.)

The calculations carried out by YBS are provided in good faith. However every client should check the information which has been inputted is correct and accurate. YBS accepts no responsibility for the calculation methods. *(calls are charged at 60p per minute from UK BT landline other networks may vary)