Yorkshire Building Services (Whitwell) Ltd
Unit 1 Crags 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 (m²K/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 Uf = 0.000W/m²K)
(Correction for air gaps, Delta Ug = 0.000W/m²K)

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