Project Information

Reference
Date
Client John Falcon Project 69 Moss Wood Road
Beauchief

Construction Type

Element : Suspended Ground floor - Uvalue Element 1
Internal surface emissivity : High External surface emissivity : High
Building use : BS5250 dry/moist occupancy

Construction	Thickness (mm)	Thermal Conductivity (W/mK)	Thermal Resistance (m²K/W)	Pitch (º)	Bridge Details
Inside surface	-	-	0.170		
Chipboard	18.0	0.143	0.126		
Joist cavity	100.0	-	1.712		12.5% Timber (100.0mm)
SuperQuilt (Installed to underside of joists)	-	-	1.380		
Ground	-	-	0.170		

Ground Floor Details

Calculation method : EN ISO 13370
Perimeter : 12.00m Area : 24.00m²
P/A : 0.500m
Floor type : Solid floor
Edge insulation : None

U-value - 0.21W/m²K

U-value, Combined Method : 0.21 W/m²K (upper/lower limit 3.405 / 3.331 m²K/W, dUf 0.0000, dUg 0.0000, dUp0.0000, dUr0.0000, dUrc0.0000)

(Correction for mechanical fasteners, Delta Uf = 0.000W/m²K)
(Correction for air gaps, Delta Ug = 0.000W/m²K)

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