BASF plc Performance Materials Europe
Wimsey Way
Alfreton, Derbyshire
DE55 4NL

Project Information

Reference
Date 2 January 2015
Client FoamMaster Project Local Authority

Construction Type

Element : Wall - HTT wall
Stone and brick cavity wall, full fill
Internal surface emissivity : High External surface emissivity : High

Construction	Thickness (mm)	Thermal Conductivity (W/mK)	Thermal Resistance (m²K/W)	Pitch (º)	Bridge Details
Outside surface resistance	-	-	0.040		
Render (BS5250)	15.0	0.800	0.019		
Blockwork, dense	100.0	13.000	0.008		6.6% Mortar (100.0mm)
Walltite CV 100 80 - 120	100.0	0.027	3.700		
Blockwork, medium	100.0	0.130	0.769		6.6% Mortar (100.0mm)
Plaster, gypsum (BS5250)	12.0	0.510	0.024		
Inside surface resistance	-	-	0.130		

U-value - 0.22W/m²K

U-value, Combined Method : 0.22 W/m²K (upper/lower limit 4.645 / 4.467 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.)

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