

Project Information

Date 16 April 2020
Client GW, OWLarchitecture.com Project Home Owners Guide
25 Crescent View Yorkshire
Leeds
LS17 7QF

Construction Type

Element : Flat roof - Flat Roofs - Cold - Insulation All Between Joists 400mm Joist Spacing

Flat Roofs - Cold - Insulation All Between Joists 400mm Joist Spacing

Internal surface emissivity	: High	External surface emissivity	: High	Thickness	Thermal Conductivity	Thermal Resistance	Pitch (°)	Bridge details Air gaps (Level, Delta U")
				(mm)	(W/mK)	(m²K/W)		
Outside surface resistance	-	-	0.100	-	-	-	-	-
Roofing membranes or coverings	-	-	-	-	-	-	-	-
Plywood	-	-	0.000	-	-	-	-	-
Ventilated Cavity	-	-	0.000	50.0	-	-	-	-
Celotex XR4000 between joists @ 400 ctrs	-	-	9.091	200.0	-	-	-	11.750% Timber (200.0mm) L:1 0.010W/m²K
Polythene, 1000 gauge VCL	-	-	-	-	-	-	-	-
Wallboard	-	-	0.066	12.5	-	-	-	-
Inside surface resistance	-	-	0.100	-	-	-	-	-

U-value = 0.17W/m²K

U-value, Combined Method : 0.172W/m²K (upper/lower limit 6.272 / 6.031m²K/W, dUf 0.0000, dUg 0.0094, dUp0.0000, dUr0.0000, dUrc1 0.0000, dUrc2 0.0000)

Correction factors

Air gaps, Delta Ug = 0.009W/m²K

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