



## In association with Gradient Flat Roofing

Langley House, Lamport Drive, Heartlands Bus Park  
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### Project Information

Reference UCS17155AP  
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Client Lewis Bolton  
Langley Waterproofing  
Daventry  
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Project Great Cliff  
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### Construction Type

Element : Flat roof - Roof 03 existing - 3.50

Internal surface emissivity : High External surface emissivity : High

	Thickness (mm)	Thermal Conductivity (W/mK)	Thermal Resistance (m <sup>2</sup> K/W)	Pitch (°)	Bridge details Air gaps (Level, Delta U")
Outside surface resistance	-	-	0.040		
Built up felt (2 Layer)	5.0	-	0.040		
Timber	18.0	0.170	0.106		
Inside surface resistance	-	-	0.100		

U-Value calculation for existing roof structure is indicative only. Thermal performance, moisture content and condition of existing materials cannot be guaranteed or accurately determined.

### U-value = 3.50W/m<sup>2</sup>K

U-value, Combined Method : 3.497W/m<sup>2</sup>K (upper/lower limit 0.286 / 0.286m<sup>2</sup>K/W, dUf 0.0000, dUg 0.0000, dUp0.0000, dUr0.0000, dUrc1 0.0000, dUrc2 0.0000)

### Correction factors

Air gaps, Delta Ug = 0.000W/m<sup>2</sup>K