



# Introduction

This is a short guide on the new regulations for Part L taking effect as of 15/06/2022 with this leaflet as a main focus on domestic extensions. This means that any applications submitted after this date, should comply with the new regulations. This rough guide will only cover the basics on the changes to insulation requirements. If in doubt please contact Building Control.

Element Type	Old U-value W/(m²K)	New U-value W/(m²K)
Roof	0.18	0.15
Walls	0.28	0.18
Floor	0.22	0.18
Windows	1.6	1.4
Doors	1.8	1.4

## SAP

Please note that if the glazing area in the extension exceeds 25% of the floor area of the extension, plus any openings lost as a result of the extension then SAP calculations may be required

# Pitched Roofs

### Insulation all between rafters:

- 200mm PIR insulation

### Insulation between and below rafters:

- 150mm PIR insulation between + 40mm PIR below joists at 400c/c

### Insulation at ceiling level:

-300mm mineral wool

# Flat Roofs

### Warm (Insulation above deck)

-150mm PIR insulation

### Cold (Insulation between and below joists)

- 150mm PIR insulation between + 40mm PIR below joists at 400c/c

N.B A cold flat roof must have adequate cross flow ventilation

## NEW BUILDING REGULATIONS (PART L)

## INSULATION TO DOMESTIC EXTENSIONS

Take effect 15/06/2022

Cheltenham and Tewkesbury Building Control



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# Walls

## Cavity wall - Partial fill

- 100mm PIR insulation + 50mm clear cavity OR
- 75mm phenolic foam insulation + 50mm cavity

N.B A minimum 50mm clear cavity must be maintained if choosing partial fill insulation

## Cavity wall - Full fill

- 90mm full fill PIR insulation (10mm Residual Cavity) OR
- 100mm cavity batts with 50mm insulated plasterboard internally OR
- 175mm cavity batt

## Timber frame

- 100mm PIR insulation between + 40mm PIR lining

## Multifoil Insulation

Please see overleaf for details on using multifoil insulation products on all elements

# Floors

## Ground bearing slab

- 100mm PIR insulation

## Suspended timber floor

- 150mm PIR insulation between joists at 400c/c

## Block and beam

- 100mm PIR insulation

# Thermal Bridging

Insulation must be maintained at junctions ensuring no break in the thermal barrier. Ensure insulated cavity closers are used at reveals, perimeter upstands are used on oversites and ensure that there is a continuation of insulation between wall, floor and roof

# Coming Soon...

Cheltenham and Tewkesbury Building Control will be providing an extra service to produce SAP calculations as required. Please contact the office for more details

# LABC Partnership Scheme

Have you thought of partnering with Cheltenham and Tewkesbury Building Control service? The partnership arrangements have many benefits which include:

- Competitive pricing on high volumes of repeat work or major developments.
- A single point of contact for all your building control work.
- Plans checked by one authority to give you a consistent approach.
- Site inspections carried out by a local professional team with invaluable local knowledge and contacts.
- Have access to In depth expertise from LABC specialists.

For more information on how to become a partner please visit:

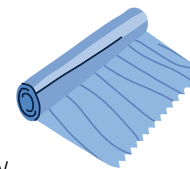
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For information on specialist multifoil insulation products, please consult the manufacturer and follow their guidance. Multifoil insulation products will need to be accredited by BBA or similar. If in doubt please contact Building Control



## Contact us



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