

## BASIC U-VALUES FOR DIFFERENT THICKNESSES OF SPRAYED POLYURETHANE FOAM INSULATION

The question is frequently asked of us - what is the U-value of a structure of certain thickness of polyurethane foam insulation are used?

To calculate a composite 'U-value' much additional information is required, however for thin skin structures (i.e. asbestos, steel, aluminium, etc) a rough calculation can be achieved by ignoring the effect of the substrate. The composite 'U-value' calculation can then be taken as the 'U-value' of the foam alone, knowing that the overall composite calculation will be better.

Foam Thickness (mm)	K Factor (W/m <sup>2</sup> K)	U-value (W/m <sup>2</sup> °C)
25	0.023	0.92
35	0.023	0.65
50	0.023	0.49
65	0.023	0.35
75	0.023	0.31
100	0.023	0.23

**London Office HQ:**

Metropolitan Insulation,  
 Cleveland Road,  
 Barnes, SW13 0AA

**Cheshire Office:**

Metropolitan Insulation,  
 5 Portal Business Park,  
 Eaton Lane, Tarporley,  
 Cheshire, CW6 9DL

**Scottish Office:**

Metropolitan Insulation,  
 Unit 6, 67 Carntynehall Road,  
 Glasgow, G32 6AA

**Welsh Office:**

Metropolitan Insulation,  
 Clarence House,  
 Conway Road, LL30 1LT