metropolitan insulation

0800 028 4042
enquiries@metropolitaninsulation.co.uk
www.metropolitaninsulation.co.uk

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^2K)	U-value ($W/m^2°C$)
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,
24 Eastcote Place, Fernbank Road, Ascot, SL58JD

Scottish Office:
Metropolitan Insulation,
Unit 6, 67 Carntynehall Road,
Glasgow, G32 6AA

Welsh Office:
Metropolitan Insulation,
Clarence House,
Conway Road, LL30 1LT

Registered Office: 73 Pope Lane, Penwortham, Preston, PR1 9BY