BC 702 Spray 45 foam 5 cm – U Value

U value Calculation

U = heat transfer coefficient (W/m^{2}K)

R=L/λ (m^{2}K/W)

R= The resistance of a building material

L= is the thickness of the material in metres.

λ= is the thermal conductivity in W/mK., **U=1/ΣR**

Material	**L (m)**	**l (W/mK)**	**R (m2K/W)**
Air Out			
Gravel -5cm	0.05	1.4	0.0357
Polyurethane foam (PU) 5cm	0.05	0.018	2.7778
Foam concrete 8cm	0.08	0.185	0.4324
Roof Slab 12 cm	0.12	1.85	0.0649
Paint 200 µ	0.02	0.39	0.0513
Air In			0.1700
∑R			3.5321
U Value		U=1/∑R	0.2831