

UVALUE CALCULATION

Users Ref: iG-GRP

Issued on: 29.May.2012

Prop Type Ref:

Property: GRP Dormer

Carbon Index: 0.0

SAP Rating: 0

Fuel Bill: £0.00

CO2 Emissions: 0.00 t/year

Energy used: 0.0 GJ per annum

Surveyor: B856-0001, Stephen Harpur, Tel: 02882249693, Fax: 02882249693

Address: 69 Drumlegagh Rd Sout, Omagh, Co. Tyrone, BT78 5PQ

Client: 106, iG-GRP Ltd, Ballyreagh Ind Est, Sandholes Road, Cookstown, BT80 9DG, Tel: 028 8676 2184

Software

SAP version: 0.00 Regs Region: England and Wales, Calculation Type: New Build

Calculation method: BS EN ISO 6946, BS EN ISO 13370, BS 5250

Building Elements:

Building Element Wall iG-GRP - Timber framed GRP Dormer Spray Polyurethane

Layer	Description	Thickness	λ	R	Fraction
External surface				0.040	
Layer1	GRP				
	Main construction	2 mm	0.040	0.050	100.00 %
Layer2	Spray Foam Polyurethane				
	Main construction	100 mm	0.023	4.348	90.50 %
	Corrections - Air Gap: Level 0, Fasteners: None or plastic				
	Bridging - Timber	100 mm	0.130	0.000	9.50 %
Layer3	Plasterboard, standard				
	Main construction	12 mm	0.210	0.057	100.00 %
Internal surface				0.130	
Total resistance: Upper limit = 3.491 m ² K/W Lower limit = 3.292 m ² K/W Average = 3.392 m ² K/W					
U-value (unrounded) = 0.2948 W/m ² K					

Unheated space: None

Total thickness: 114 mm

U-value: 0.29 W/m²K