

Double Skin Insulated Roof System with Glass Fibre Insulation - 0.25 'U' Value



Roofing

**Q SYSTEM** RG 25

A high quality cost effective fastrack roof system offering ecological, fire resistance and design flexibility benefits over the traditional PUR foam cored composite panel.

SYSTEM BENEFITS	
• Thermal Transmittance (Building Regulations Approved Document L2 compliant)	<0.25W/m <sup>2</sup> K
• Calculated Average Sound Reduction (weighed S.R.I Rw)	>41dB
• External Fire Exposure Classification (BS476 Part 3)	AA (Highest)
• Internal Fire Spread Classification (Building Regulations Approved Document B2, BS476 Parts 6 and 7)	0 (Highest)
• Insulation Non-Combustibility Test (BS476 Part 4, Building Regulations Approved Document B4)	Non - combustible
• Air Permeability (Building Regulations Approved Document L2 compliant)	<10m <sup>3</sup> /hr/m <sup>2</sup> @ 50 Pa
• External Sheet Non-fragility Rating Document ACR(M)001:2005 (Third Edition)	Class B (≤2.1m centres)
• Internal Sheet Non-fragility Rating Document ACR(M)001:2005 (Third Edition)	Class C (≤1.8m centres)
• Design Flexibility/Bespoke systems	Available
• Curved barrel vault/eaves/ridge options	Yes
• Ecological effect	Zero ODP
• Sustainability/Recyclability	Yes
• NBS Specifications	Available
• Profile CAD blocks	Available
• Material warranty	Up to 30yrs
• Recommended ancillary suppliers	Yes
• Recommended Installers	Yes

SPECIFICATION	
External Sheet	0.70mm thick colour coated galvanised steel Quedron profiled sheet.
Insulation	180mm thick Knauf Factoryclad 40 compressed to 170mm. (λ = 0.040W/mK)
Spacer System	170mm deep Quedron Spacer System. Brackets at 1m centres.
Vapour Control Layer	Lining Panel - Sealed side and end laps.
Internal Sheet	0.40mm thick colour coated galvanised steel Quedron lining panel.
Typical Purlin Centres	1100 - 1800mm
Minimum Design Roof Pitch	>5 degrees - trapezoidal sections >2.5 degrees - secret fix option.

Notes:  
Secret fix option uses 180mm deep brackets.  
System can be upgraded to achieve Class B Non-fragility rating using 0.70mm thick lining.  
Refer to page 26 for profile options and page 34 for profile specific system references and performance data.

