

Built Up Insulated Structural Roof Deck Support System – 0.25 'U' Value

Decking

Q SYSTEM SD 25

Offering the benefits of long span construction, enabling the design of lighter and therefore, more economic structures our structural deck system is specified for use within many high performance roof installations, typically supporting secret-fix/standing seam outer skin roof products.

SYSTEM BENEFITS

• Thermal Transmittance (Building Regulations Approved Document L2 compliant)	<0.25W/m ² K
• Calculated Average Sound Reduction (weighted S.R.I Rw)	>47dB
• 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 ³ /hr/m ² @ 50 Pa
• External Sheet Non-fragility Rating Document ACR(M)001:2005 (Third Edition)	Class B (≤2.1m centres)
• Design Flexibility/Bespoke systems	Available
• Curved barrel vault option	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	220mm thick Knauf Factoryclad 40 insulation quilt compressed to 205mm. (λ = 0.040W/mK)
Spacer System	175mm deep Quedron Spacer System sat on 30mm deep top hat.
Vapour Control Layer	Separate membrane or sealed side and end laps of deck section.
Internal Sheet	0.75 – 1.50mm thick colour coated/ galvanised steel Quedron structural deck section.
Structural Support Centres	Typically 6000 - 10000mm
Minimum design Roof Pitch	>5 degrees – trapezoidal sections. >2.5 degrees – secret fix option.

Notes:

Refer to page 32 for examples of profile availability. Further information and performance data can be downloaded from www.quedron.co.uk

Qsystems

STRUCTURAL DECK

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QUEDRON ROOFING & CLADDING PRODUCTS

KNAUFINSULATION