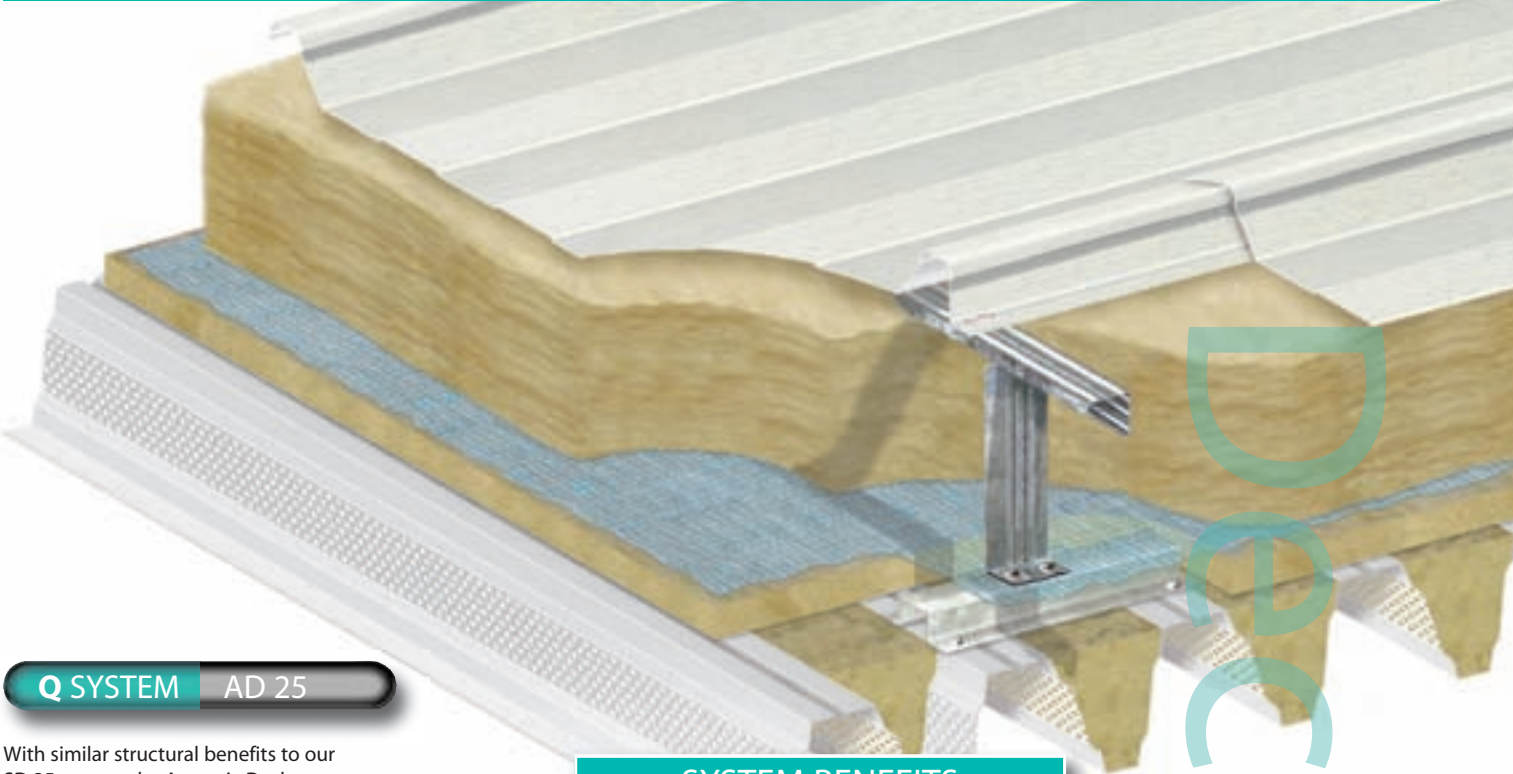


Built Up Acoustic Structural Roof Deck Support System – 0.25 'U' Value



Decking

**Q SYSTEM AD 25**

With similar structural benefits to our SD 25 system, the Acoustic Deck system incorporates a perforated deck and acoustic Rockwool mat overlay designed to allow internal reverberant sound to travel through the internal lining and be absorbed within the construction.

**SPECIFICATION**

External Sheet	0.70mm thick colour coated galvanised steel Quedron profiled sheet.
Insulation	200mm thick Rockwool Cladding Roll insulation quilt compressed to 175mm. ( $\lambda = 0.040W/mK$ )
Spacer System	175mm deep Quedron Spacer System.
Vapour Control Layer	Separate sealed membrane.
Acoustic Layer	30mm thick Rockwool RW3 acoustic slab with 30mm deep top hat spacer to accept thermal spacer system. Optional Rockwool acoustic filler strips laid in profile corrugations.
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.

**SYSTEM BENEFITS**

• Thermal Transmittance (Building Regulations Approved Document L2 compliant)	<0.25W/m <sup>2</sup> K
• Calculated Average Sound Reduction (weighted S.R.I Rw)	>30dB
• Calculated Absorption Coefficient	0.64* (@500Hz)
• 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)
• 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

Notes:  
\* Absorption coefficient based on 30% perforated open area  
Refer to page 32 for examples of profile availability. Further information and performance data can be downloaded from [www.quedron.co.uk](http://www.quedron.co.uk)

