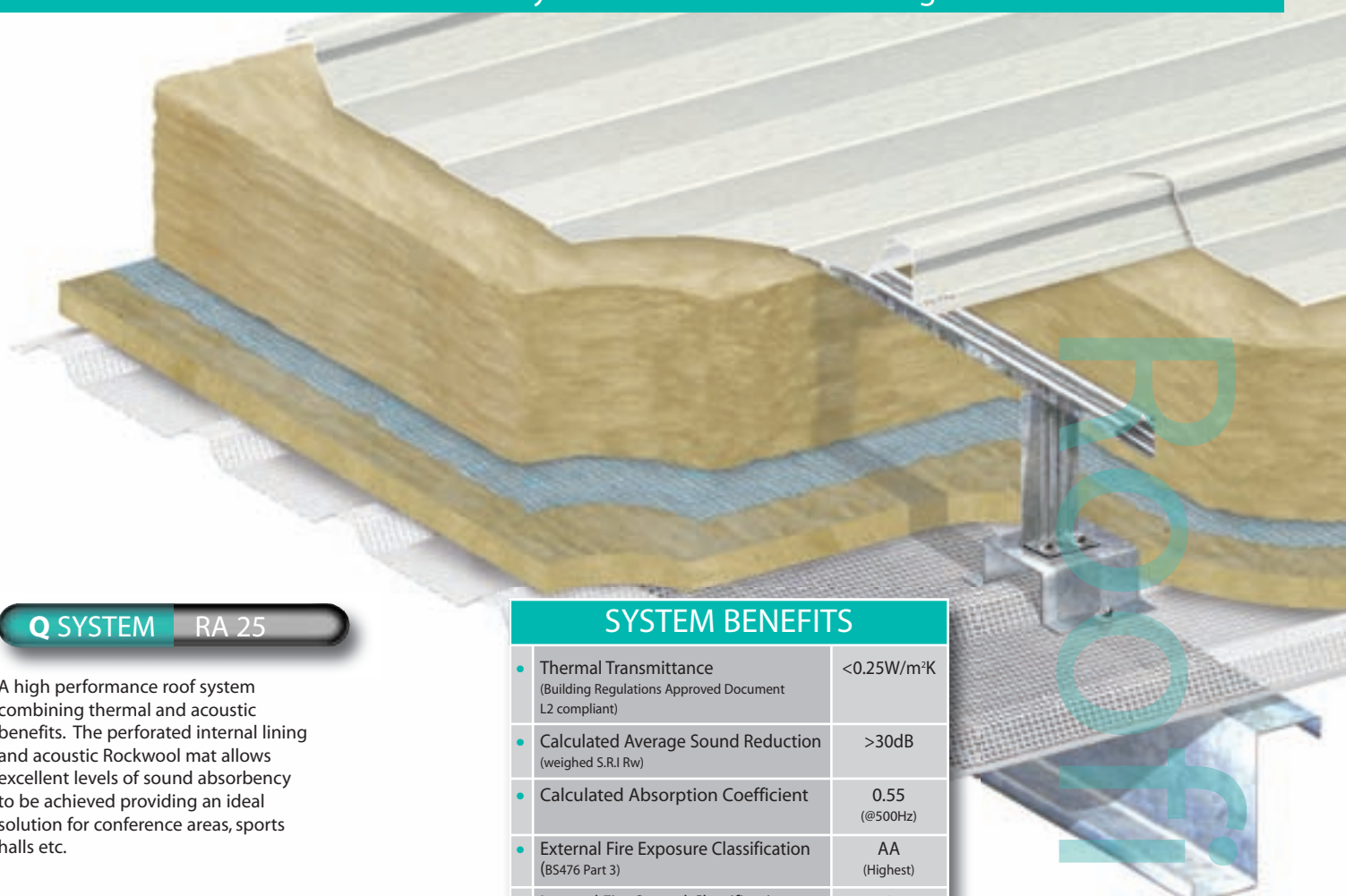


Double Skin Acoustic Roof System with Perforated Lining - 0.25 'U' Value



**Q SYSTEM RA 25**

A high performance roof system combining thermal and acoustic benefits. The perforated internal lining and acoustic Rockwool mat allows excellent levels of sound absorbency to be achieved providing an ideal solution for conference areas, sports halls etc.

**SPECIFICATION**

External Sheet	0.70mm thick colour coated galvanised steel Quedron profiled sheet.
Insulation	150mm thick Rockwool Cladding Roll insulation quilt. ( $\lambda = 0.040W/mK$ )
Spacer System	150mm deep Quedron Spacer System. Brackets at 1m centres.
Vapour Control Layer	Separate sealed membrane.
Acoustic Layer	30mm thick Rockwool RW3 acoustic slab ( $\lambda = 0.034W/mK$ ) with 50mm deep top hat spacer to accept thermal spacer system.
Internal Sheet	0.70mm thick colour coated galvanised steel fully perforated Quedron lining panel. (30% open area).
Typical Purlin Centres	1100 - 1800mm
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 (weighed S.R.I Rw)	>30dB
• Calculated Absorption Coefficient	0.55 (@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)
• 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

ROOFING

Note:  
Refer to page 26 for profile options and page 34 for profile specific system references and performance data.

