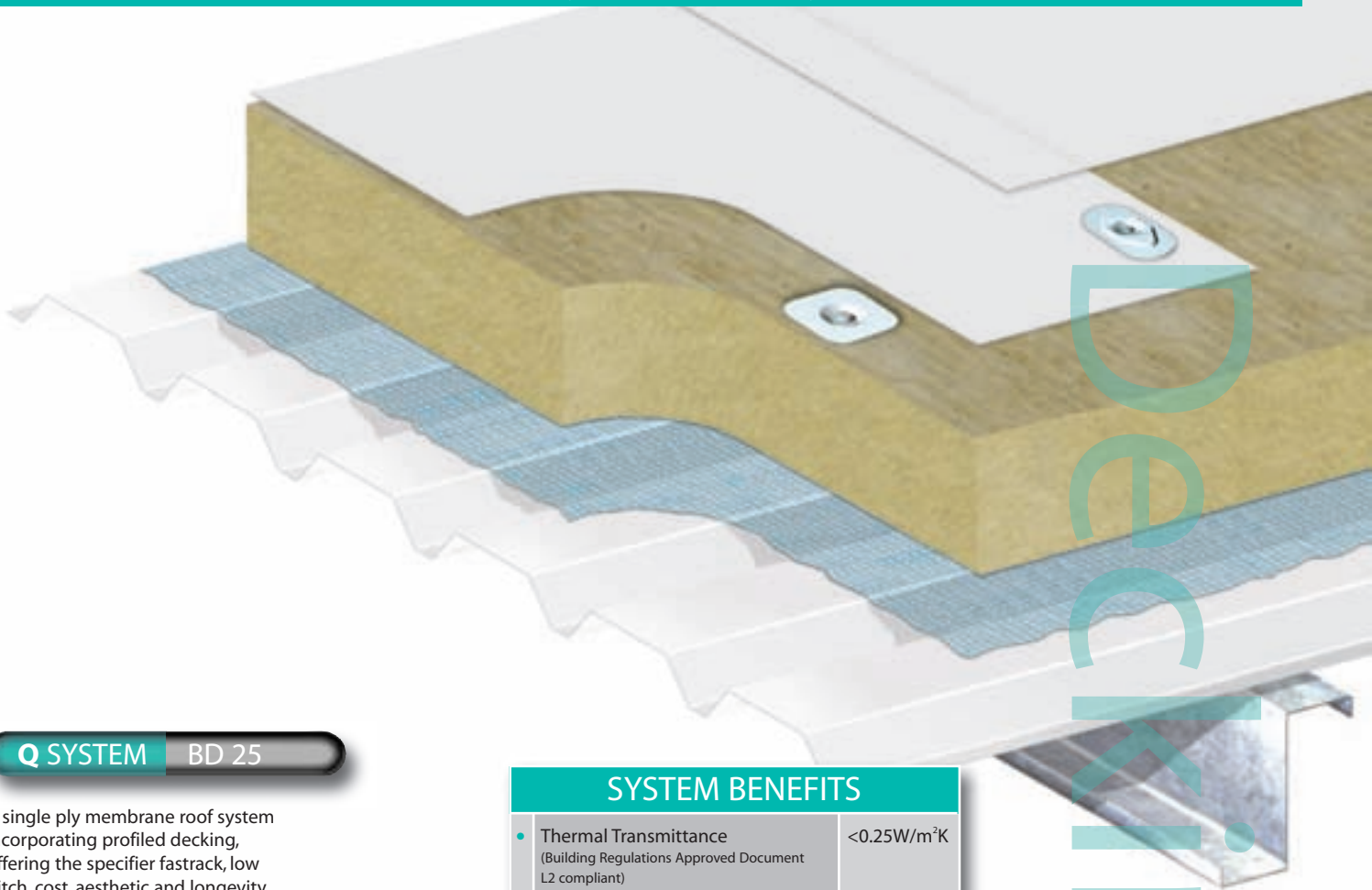


Built Up Insulated Single Ply Roof Decking System - 0.25 'U' Value



Q SYSTEM BD 25

A single ply membrane roof system incorporating profiled decking, offering the specifier fastrack, low pitch, cost, aesthetic and longevity benefits combined with the design freedom that membranes allow.

SPECIFICATION	
External Membrane	Fully sealed waterproof PVC single ply membrane.
Insulation**	150mm thick Rockwool Hardrock Dual Density Tissue Faced insulation board. ($\lambda = 0.039W/mK$)
Vapour Control Layer	Separate membrane or sealed side and end laps of deck section.
Internal Sheet	0.70mm thick colour coated/ galvanised steel profiled deck.
Typical Purlin Centres	1800 - 2100mm***
Minimum Roof Pitch	2 degrees (design pitch)

SYSTEM BENEFITS	
• Thermal Transmittance (Building Regulations Approved Document L2 compliant)	<0.25W/m ² K
• Estimated Average Sound Reduction (weighted S.R.I Rw)	>35dB*
• 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
• Deck Sheet Non-fragility Rating (Document ACR(M)001:2005 (Third Edition))	Class B ($\leq 2.1m$ 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
• System warranty	Up to 25yrs
• Recommended ancillary suppliers	Yes
• Recommended Installers	Yes

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Notes:
 * Based on test data utilising similar components
 ** Alternative insulation options
 - 145mm Rockwool DuoRock Roofing Board
 - 90mm thick Rigid PIR board.
 *** For increased span conditions, a wide range of profile sections and material thicknesses are available.
 Refer to page 32 for examples of profile availability. Further information and performance data can be downloaded from www.quedron.co.uk

