

Horizontal Wall Cladding System with Glass Fibre Insulation – 0.35 'U' Value

Q SYSTEM HG 35

Whilst offering the usual associated benefits of built up design over traditional composite panels, this highly flexible construction solution provides a combination of a clean vertical internal lining with aesthetically pleasing horizontal external cladding.

Horizontal

SYSTEM BENEFITS

• Thermal Transmittance (Building Regulations Approved Document L2 compliant)	<0.35W/m ² K
• Calculated Average Sound Reduction (weighted S.R.I Rw)	>39dB
• 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
• Design Flexibility/Bespoke systems	Available
• Mitred corner options	Yes
• Ecological effect	Zero ODP
• Sustainability / Recyclability	Yes
• NBS Specification	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	140mm thick Knauf Factoryclad 40 insulation quilt compressed to 135mm. ($\lambda = 0.040W/mK$)
Spacer System	135mm deep Quedron 'GP' Vertical Spacer System. Brackets at 1503mm maximum centres.
Vapour Control Layer	Lining Panel - Sealed side and end laps.
Internal Sheet	0.40mm thick colour coated galvanised steel Quedron lining panel.
Typical Rail Centres	1100 - 1800mm

KNAUFINSULATION

Note:

Refer to page 28 for profile options and page 36 for profile specific system references and performance data.

Qsystems

HORIZONTAL THERMAL