

# Clay Brickwall vs GypWall® System



Usage	Clay Brickwall (Single Layer)	Gypwall® System *(Comparable Systems with Brick wall)
Wall Thickness	App. 150mm	App. 110mm depends on systems
Max Height	3m (with max. width of 3m)	3.8m (without max. wall width)
Weight	180 to 240 kg/m <sup>2</sup>	24 to 31 kg/m <sup>2</sup> (Lightweight)
Quality of materials	Difficult to Control – Various source of supplies	Single source - Supply in system with proper QC, in compliance with international standards
Fire Protection (BS 476 Pt. 22)	1 hour – 2 hours	1/2 – 1 hours (available up to 2 hours fire rating)
Thermal Conductivity	High heat convection K = 0.69 Watt / m <sup>0</sup> C	Low heat convection (energy saving) K = 0.17 Watt / m <sup>0</sup> C
Sound Insulation	38 dB – 40 dB	38 dB – 40 dB (without insulation material)
Construction Time	7m <sup>2</sup> per labour per day (bricklaying only)	20m <sup>2</sup> per labour per day

Note: \*System references are GypWall ROBUST system featuring single layer DuraLine Plus board on 74mm stud (without insulation material) or GypWall CLASSIC System featuring single layer BaseLine board on 74mm stud (without insulation material)

# Clay Brickwall vs GypWall® System



Usage	Clay Brickwall (Single Layer)	Gypwall® System (Comparable Systems with Brick wall)
<b>Ease of installation</b>	Wet system – makes site dirty	Dry system – keep site clean
<b>Services</b>	Requires careful & advance planning; wall hacking needed	Services can be easily installed without any hacking
<b>Labour / Training</b>	Special training over long period	Easy to learn, SG provides training (on- site / off-site)
<b>Surface Appearance</b>	Rough and easy to crack (requires skim coating)	Smooth and crack free without any skim coating
<b>Flexibility &amp; Easy of Renovation</b>	Difficulty on renovation (wet work) Beam system to support	Highly flexible to renovate No beam system require
<b>Environmental Impact</b>	Not environmental friendly in production process, product & site installation	Sustainable & environmental friendly.
<b>Modification</b>	Consideration on load bearing capacity of structure	Can be installed in any area inside a building