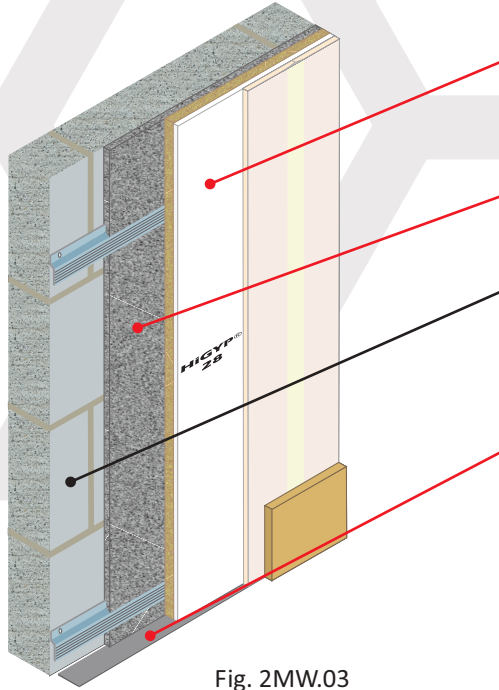


Solid masonry wall

CELLECTA HiGYP® 28 composite acoustic wall lining
Suitable for new and existing solid aircrete and aggregate block walls

Solid masonry wall



- Wall treatment** CELLECTA HiGYP® 28 fixed to 16mm resilient bars set at 600mm (max) centres (See Table 2MW.01 for options)
- Sound absorbing material** 15mm CELLECTA FIBREfon® Micro 15 quilt fitted between resilient bars
- Masonry wall**
 - 100mm (min) aircrete block (600kg/m³)
 - 100mm (min) aggregate block (1350 - 2300kg/m³), open-faced side sealed with a 13mm parge coat (min 10kg/m²)
- Perimeter flanking strip** 5mm CELLECTA C-strip self-adhesive acoustic foam strip

Fig. 2MW.03

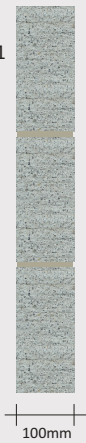


Table 2MW.01

Installation Options

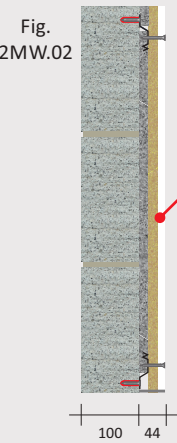
- 1** HiGYP® 28 High performance, acoustic lining board
Dimensions: 28mm x 1200mm x 2400mm
Weight: 18.84kg/m² / 54.26kg/sheet
- 2** FIBREfon® Micro 15 Non-itch sound deadening quilt
Dimensions: 15mm x 600mm x 1200mm
- 3** CELLECTA C-strip Perimeter flanking strip
Dimensions: 5mm x 75mm x 10m

Solid masonry wall (without any wall treatment)



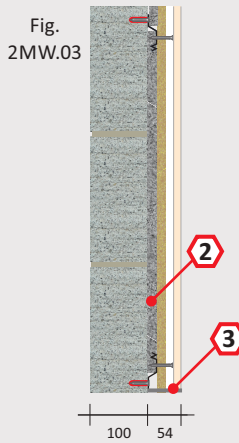
Airborne
40dB R _w
37dB R _w + C _{tr}

One face lined (opt.1)



Airborne
55dB R _w
48dB R _w + C _{tr}
Δ +11dB ⁽¹⁾

One face lined (opt.2)



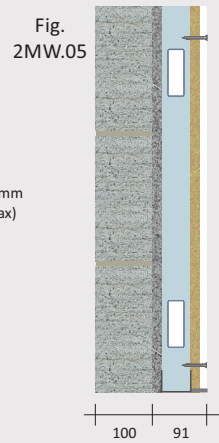
Airborne
57dB R _w
50dB R _w + C _{tr}
Δ +13dB ⁽¹⁾

Both faces lined



Airborne
59dB R _w
51dB R _w + C _{tr}
Δ +14dB ⁽¹⁾

Independent wall lining



Airborne
58dB R _w
53dB R _w + C _{tr}
Δ +16dB ⁽¹⁾

Acoustic Performance

Acoustic data quoted was achieved at Sound Research Laboratories, Sudbury, UKAS ref. 0444.
Airborne results tested in accordance with BS EN ISO 140-3: 1995 and rated in accordance with BS ISO 717-1: 1997.
⁽¹⁾ dB (R_w + C_{tr}) improvement over masonry base wall
R_w value suitable for partition wall applications
R_w + C_{tr} value suitable for separating wall applications

Third Party Accreditation and Approvals



Note. Professional advice should be sought to ensure the overall wall construction complies with current fire regulations.