Metal frame walls

CELLECTA HiGYP® 28 composite acoustic wall lining
Suitable for new and existing metal frame walls

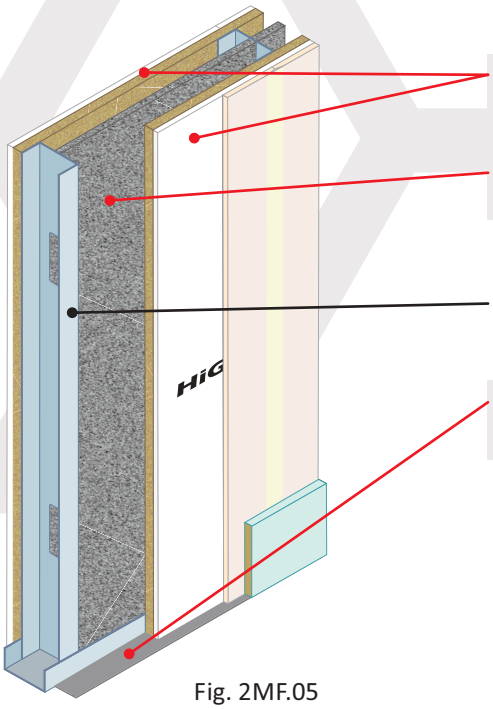


Fig. 2MF.05

Wall treatment	**CELLECTA HiGYP® 28** (See Table 2MF.01 for options)
Sound absorbing material	○ 15mm **CELLECTA FIBRE*fon*® Micro 15** non-itch acoustic roll ● 25mm mineral wool acoustic partition roll
Metal frame wall	70mm (min) metal frame wall. C-channel set at 400/600mm centres
Perimeter flanking strip	5mm **CELLECTA C-strip** self-adhesive acoustic foam strip

FASTRACKCAD ARCHITECTURAL CAD DATABASES

Available on bimstore.co

NBSPlus

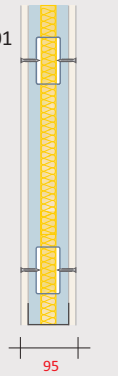
Table 2MF.01

Installation Options

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

Metal frame wall
(without any wall treatment)

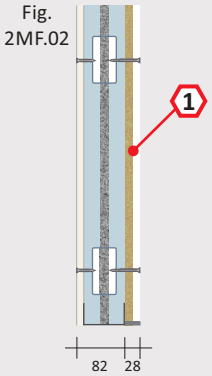
Fig. 2MF.01



Airborne
43dB R_w
34dB $R_w + C_{tr}$

Single face lined
HiGYP 28 fixed to one side of the metal frame.
FIBRE*fon* Micro 15 or 25mm mineral wool (APR) fitted in between C-studs, 12.5mm plasterboard (8kg/m²) fixed to second side.

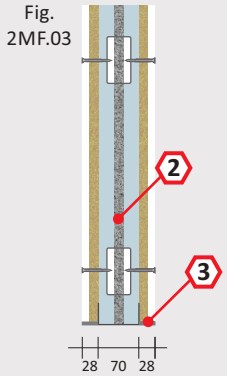
Fig. 2MF.02



Airborne
48dB R_w
40dB $R_w + C_{tr}$
Δ +5dB[1]

Double face lined
HiGYP 28 fixed to both sides of the metal frame.
FIBRE*fon* Micro 15 or 25mm mineral wool (APR) fitted in between C-studs.

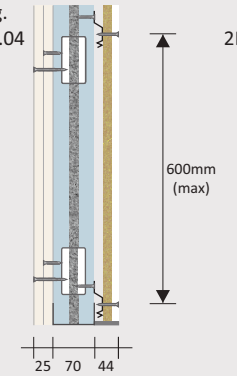
Fig. 2MF.03



Airborne
53dB R_w
44dB $R_w + C_{tr}$
Δ +10dB[1]

Single face lined and double plasterboard
HiGYP 28 fixed to resilient bars set at 600mm (max) centres
FIBRE*fon* Micro 15 or 25mm mineral wool (APR) fitted in between C-studs. Two layers of 12.5mm plasterboard (8kg/m²) fixed to second side.

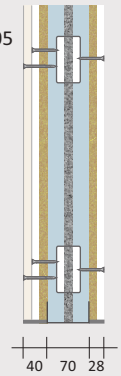
Fig. 2MF.04



Airborne
54dB R_w
45dB $R_w + C_{tr}$
Δ +11dB[1]

Double face lined + extra plasterboard
HiGYP 28 fixed to both sides of the metal frame.
FIBRE*fon* Micro 15 or 25mm mineral wool (APR) fitted in between C-studs. + Additional layer of 12.5mm gypsum-based board (8kg/m²) fixed to second face.

Fig. 2MF.05



Airborne
55dB R_w
46dB $R_w + C_{tr}$
Δ +12dB[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) improvement over metal frame base wall
R_w value suitable for partition wall applications
$R_w + C_{tr}$ value suitable for separating wall applications

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

Third Party Accreditation and Approvals

SRL Performance Tested

bmtrada 2015

Environmental Credentials

GWP <5

100% Recyclable Quilt

zero ODP

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