

Metal frame walls

CELLECTA HiGYP 28 composite acoustic wall lining
 Suitable for new and existing metal frame walls
 Acoustic treatment fixed directly to metal frame

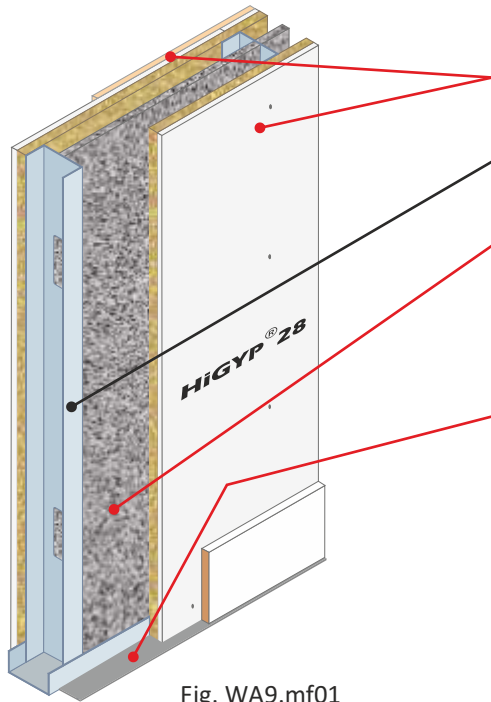


Fig. WA9.mf01

Wall treatment	CELLECTA HiGYP 28 (See Table 8MF.01 for treatment options)
Metal frame wall	70mm (min) metal frame wall, C-studs set at 600mm (max) centres
Sound absorbing material	<ul style="list-style-type: none"> 15mm CELLECTA FIBREfon Micro15 non-itch acoustic quilt 25mm (min) mineral wool acoustic partition roll fitted in wall cavity
Perimeter flanking strip	CELLECTA C-strip self-adhesive acoustic foam strip

Table WA9.mf01

<p>1 HiGYP 28 High performance, acoustic lining board Dimensions: 28mm x 1200mm x 2400mm Weight: 17.50kg/m² / 50.11kg/sheet</p>	<p>2 FIBREfon 15 Sound absorber Dimensions: 15mm x 600mm x 1200mm</p>	<p>3 CELLECTA C-strip Perimeter flanking strip Dimensions: 5mm x 75mm x 10m</p>		
<p>Metal frame wall (without any wall treatment)</p>	<p>Single face lined HiGYP 28 fixed to one side of the metal frame. FIBREfon Micro 15 or 25mm mineral wool (APR) fitted in between C-studs, 12.5mm plasterboard (8kg/m²) fixed to second side.</p>	<p>Double face lined HiGYP 28 fixed to both sides of the metal frame. FIBREfon Micro 15 or 25mm mineral wool (APR) fitted in between C-studs.</p>	<p>Single face lined and double plasterboard HiGYP 28 fixed to resilient bars set at 600mm (max) centres FIBREfon Micro 15 or 25mm mineral wool (APR) fitted in between C-studs. Two layers of 12.5mm plasterboard (8kg/m²) fixed to second side.</p>	<p>Double face lined + extra plasterboard HiGYP 28 fixed to both sides of the metal frame. FIBREfon 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.</p>
<p>Fig. WA9.mf02</p>	<p>Fig. WA9.mf03</p>	<p>Fig. WA9.mf04</p>	<p>Fig. WA9.mf05</p>	<p>Fig. WA9.mf06</p>
<p>95</p> <p>Airborne 43dB R_w 34dB R_w + C_{tr}</p>	<p>82 28</p> <p>Airborne 48dB R_w 40dB R_w + C_{tr} D+5dB⁽¹⁾</p>	<p>28 70 28</p> <p>Airborne 53dB R_w 44dB R_w + C_{tr} D+10dB⁽¹⁾</p>	<p>25 70 44</p> <p>Airborne 54dB R_w 45dB R_w + C_{tr} D+11dB⁽¹⁾</p>	<p>40 70 28</p> <p>Airborne 55dB R_w 46dB R_w + C_{tr} D+12dB⁽¹⁾</p>

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 sought to ensure the overall wall construction complies with current fire regulations.

Third Party Accreditation and Approvals



ISO 9001: 2004

Environmental Credentials

