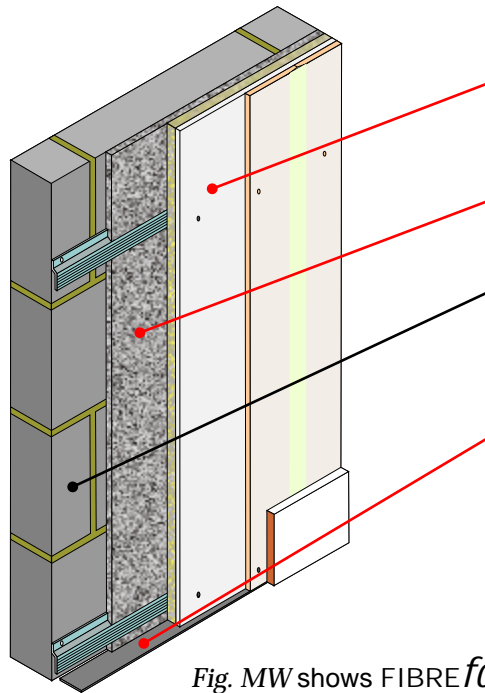


Composite wall lining
Suitable for new and existing solid aircrete and aggregate block walls



- Wall treatment** FIBRE *fon* HiGYP 32 fixed to 16mm resilient bars set at 600mm (max) centres (See *Table MW* for treatment options)
- Absorbing material** 15mm FIBRE *fon* MICRO SLAB 15 fitted in resilient bar void
- 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** *Collecta* J-strip self-adhesive acoustic foam strip



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Fig. MW shows FIBRE *fon* HiGYP 32 fixed to 16mm resilient bars, fixed to one side of a masonry wall (**MW.T1b**)

Table MW

PCT wall lining options

	Solid masonry wall	MW. T1a	MW. T1b	MW. T2	MW. T3
Typical PCT performance	100mm aircrete - 600kg/m ³ (min)	Single face upgrade: FIBREfon HiGYP 32 fixed to resilient bars at 600mm centres. Cavity filled with FIBREfon Micro Slab 15.	Single face upgrade: FIBREfon HiGYP 32 fixed to resilient bars at 600mm centres, covered with a 9.5mm plasterboard, taped and skimmed. Cavity filled with FIBREfon Micro Slab 15.	Double lining: FIBREfon HiGYP 32 fixed to resilient bars at 600mm centres to both sides of the wall, resilient bar. Cavities filled with FIBREfon Micro Slab 15.	Independent wall lining: FIBREfon HiGYP 32 fixed to 48mm metal frame, set 15mm off existing wall. Cavity filled with FIBREfon Micro Slab 15.
R_w	40dB	55dB	57dB	59dB	58dB
R_w + C_{tr}	37dB	48dB	50dB	51dB	53dB
Improvement on basic masonry wall ΔR_w + C_{tr}	-	11dB	13dB	14dB	16dB
Wall detail					
Perimeter resilient flanking strip required					
Collecta J-strip Self-adhesive polyethylene foam flanking strip: 2.5mm (t) x 37mm (w) x 40m (l). Used to isolate wall lining from adjoining walls, ceiling and floor.					

Acoustic values
Test data quoted has been conducted 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.