

# NOISE REDUCTION THROUGH WALLS

- REDUCE NOISE TRANSMISSION AND IMPROVE OFFICE SECURITY
- ELIMINATE THE COSTLY NEED TO BUILD ADDITIONAL FRAMING
- EASY TO HANDLE, TRANSPORT, CUT AND INSTALL
- IDEAL FOR REFURBISHMENTS

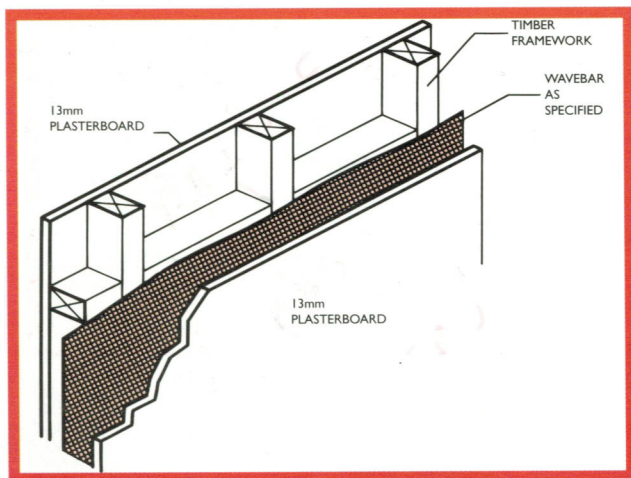


diagram 17

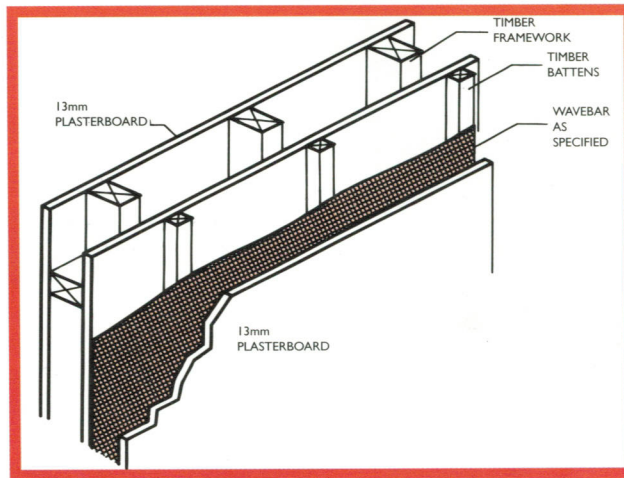


diagram 18

## NEW WALLS

Product: Wavebar 2,4,6 or 8kg/m<sup>2</sup>

Results: (ESTIMATED in conjunction with 13mm plasterboard as shown above)

Wavebar 2kg = 40-42\* STC

Wavebar 4kg = 43-45\* STC

Wavebar 6kg = 46-48\* STC

Wavebar 8kg = 47-50\* STC

*Acoustically transparent or hollow sounding walls can be efficiently treated as shown*

### INSTALLATION:

#### 1. FIX WAVEBAR

The Wavebar of the desired performance level is applied to the face of the wall studs/tracks and fastened every 300mm with screws/nails. Allow the Wavebar curtain to hang limp between studs to maximise the performance.

#### 2. SECURE OVERLAPS

Joints are overlapped by a minimum of 50mm, and secured with adhesive, tape or screws in the spacing between the studs/tracks. Butt joints along the stud lines are also acceptable.

#### 3. FIX WALL TRIM

Install and secure desired wall finish over the Wavebar curtain in a manner consistent with the manufacturers instructions.

## EXISTING WALLS

Product: Wavebar 2,4,6 or 8kg/m<sup>2</sup>

Results: (ESTIMATED in conjunction with 13mm plasterboard as shown above)

Wavebar 2kg = 45-47\* STC

Wavebar 4kg = 48-50\* STC

Wavebar 6kg = 51-53\* STC

Wavebar 8kg = 52-54\* STC

*Acoustically transparent or hollow sounding walls can be efficiently treated as shown*

### INSTALLATION:

#### 1. FIX NEW BATTENS

Secure new 50x25mm battens through existing wall finish to existing wall studs/tracks using nails/screws.

#### 2. SECURE WAVEBAR

The Wavebar of the desired performance level is applied to the face of the new wall battens and fastened every 300mm with nails/screws. Allow the Wavebar to hang limp between the battens to maximise the performance.

#### 3. SECURE OVERLAPS

See adjacent

#### 4. FIX WALL TRIM

See adjacent