



## PHONIC

ACOUSTIC CEILING TILES

## INSTALLATION GUIDE

### PHONIC DAI LOTONE



### FRAMING

- The moisture content of the timber should be below 14% at the time of the installation of the Acoustic Tiles.
- The building must be completely closed in and there must not be any green concrete, wet plaster or new brickwork present.

### BATTENS/FURRING CHANNELS

- The battens must be kiln dried and must have less than 14% moisture content.
  - The battens should be 40x25mm (nominal) and should be secured with 60mm flathead nails.
  - In order to obtain a well-proportioned ceiling effect, the layout of the battens/furring channels must be established from the centre of the room.
  - This point is determined by measuring from the opposing ends of the room. The first batten/furring channel will then be fixed over the centre line or spaces one half panel to one side. This decision is based on the size of the potential tile cuts that will result around the completed room.
- The battens/furring channels are to be fixed at **303mm centres** with the only exception being the final battens/furring channels fixed to the walls.

### SET OUT

- By setting out the ceiling from the centre in both directions, it will ensure equal cuts on opposing sides of the completed ceiling.
- A chalk line should be shot down the centre of each batten/furring channel to ensure straight row of tiles. The first tile will then be direct fixed from the centre of the room.
- The final cut tile should be short cut by 5mm to allow moderate movement of the ceiling. This cut can be concealed by the application of a suitable Scotia or wall trim.
- It is recommended that the ashlar or brick pattern be utilized.

### MECHANICAL FIXING & GLUE

- It is recommended that all tiles are both stapled and glued to the batten/furring channel.
- The recommended Adhesive is Bostik Wallboard Adhesive or equivalent.
- The preferred method is to run a 5mm bead of adhesive on each side of the tile where it will be in contact with the batten/furring channel.
- Thereafter each tile is to be applied consistently in the same manner.
- It is recommended that each row of tiles be completed before starting the next row.

### GYPSUM CEILING

- Where the tiles are being applied to a solid gypsum ceiling, set out will be as with the batten system above.
- The existing ceiling must be true and level before adding tiles
- Adhesive can be applied as before but with the addition of a line of adhesive to the centre of the tile or alternatively by applying six 3 to 4 cm blobs of adhesive uniformly to the tile before application.
- Where tiles are applied to upgrade an existing painted gypsum ceiling the cut sides of the tile may require pin support until the glue has flashed off.

### FINISH

The ceiling on completion is to be true and clean.  
The gypsum ceiling must be true in level. Finished to a level one finish.

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