

	Amendment	Date
R0	First issue	18/12/15

## V-CUT BOARD SPECIFICATION OUTLINES

### 1xx PERFORATED ACOUSTIC SUSPENDED CEILING TYPE xx

- Manufacturer:
  - Perforated Boards: V-Cut Ltd, Festival House, 39 Oxford Street, Newbury, RG14 1JG Tel: 08450 585869 Fax: 08450 585871 Email: [info@vcut.co.uk](mailto:info@vcut.co.uk). Web: [www.vcut.co.uk](http://www.vcut.co.uk) or similar approved.
  - Product reference: V-Cut perforated ceiling system.
  - Framing: British Gypsum Ltd, Siniat or Knauf [*delete framing manufacturer as appropriate*] or similar approved.
- Linings: one layer of 12.5mm V-Cut perforated acoustic designer board according to EN 14190 with pattern:
  - 6/18R – 6mm diameter holes on square pattern at 18mm centres
  - 8/18R – 8mm diameter holes on square pattern at 18mm centres
  - 10/23R – 10mm diameter holes on square pattern at 23mm centres
  - 12/25R – 12mm diameter holes on square pattern at 25mm centres
  - 8/12/50R – alternative 8mm & 12mm diameter holes on square pattern at 25mm centres
  - 12/20/66R – alternative 12mm & 20mm diameter holes on square pattern at 33mm centres
  - 15/30R – 15mm diameter holes on square pattern at 30mm centres
  - 8/18Q – 8 x 8mm square holes on square pattern at 18mm centres
  - 12/25Q – 12 x 12mm square holes on square pattern at 25mm centres
  - 5/82/15.4SL – 5 x 82mm rectangular slotted holes at 15.4mm centres
  - Special pattern – refer to architect's drawings
  - [*delete as appropriate*]
  - Board dimensions: 1224 x 2448 (patterns 8/18R)  
1200 x 2400 (all other patterns)
  - [*where a block pattern is required add the following*]
  - Block pattern: Perforation patterns in block format
  - 4F – 4 fields
  - 8F – 8 fields
  - 16F – 16 fields
  - 32F – 32 fields
  - [*delete as appropriate*]
  - Acoustic Fleece: Black to reverse side  
White to reverse side
  - [*delete as appropriate*]
- Suspension System: follow framing manufacturer's recommendations using zinc coated steel profiles according to EN 14195 and in accordance with EN 13964.
  - Hangers: "vernier" adjustable hangers or angle hangers

according to framing manufacturer at suspension centres determined by distributed load requirements (refer to manufacturer) but not exceeding 900mm. Suspension height as per architect's drawings.

- Primary grid: suspension channels at appropriate centres according to loads and hanger centres (refer to manufacturer) but not exceeding 1000mm centres.
- Secondary grid: frame manufacturer's standard channel section set at centres according to perforation pattern – 250mm centres for 5/82/15.4SL, 330mm centres for 15/30R & 12/20/66R, and 333mm centres all other patterns.  
[delete as appropriate]  
Secondary grid is to be fixed to primary channels using frame manufacturer's standard cross connection bracket.
- Perimeters: Framing manufacturer's standard "U" channel. Isolate perimeter channel from structural wall with a double layer of acoustic fleece.
- Board Fixings: Perforated panel screws SN30 with screws at maximum centres of 170mm.
- Finishing: Seamless finish with joints between abutting profiles taped and jointed as manufacturer's recommendations. Screw heads to be filled and smooth with adjacent board.
  - Primer/ Sealer: Primer to painted areas.
  - Accessories: Corner beads and jointing along folds are **not** required where V-Cut bulkhead profiles are used. For cut boards, exposed edges should be trimmed with angle or edge beads as required.
- Other requirements: 30mm glasswool [delete if not required]. Expansion joints of 5-10mm must be provided at 10 lineal metre centres per 100m<sup>2</sup> of ceiling area.