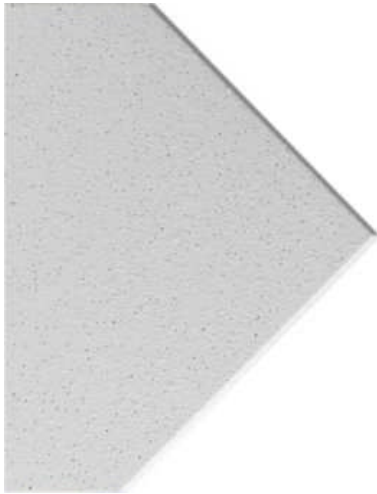


category	soundproofing/sound absorber
description	tilesorption dB ceiling tiles
part code	AC500, AC505



**Custom
Audio
Designs**



AC500/AC505 TILESORPTION dB CEILING TILES have been specifically designed to optimise the balance between sound absorption and sound insulation. They are much thicker than general purpose tiles and have surface needle perforations with a reverse side acoustic coating to achieve the very best balance in acoustic performance.

The product is available in 600x600mm module sizes for square edge and T24 tegular edge. Because of the close manufacturing tolerances, the square edge tile may be used on both 24mm and 15mm wide grids.

Benefits:

- Easy DIY Installation
- Performs far better than standard tiles
- Class 0 fire rated
- Provides up to 49dB D_{ncw}
- Tegular or square edged
- Only 20mm thick
- **The tiles are manufactured from biodegradable mineral wool, inorganic fillers and binders**



Applications

- Suspended – lay in ceiling grid
- Offices
- Meeting rooms
- Schools
- Can be used to meet BB93

Handling and Storage

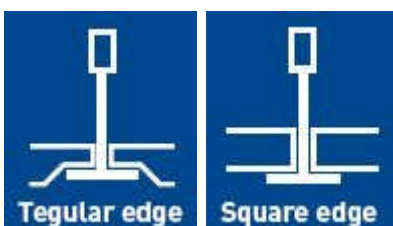
Tilesorption tiles should be stored flat in clean and dry conditions. Do not rest cartons or tiles on edges or ends.

Installation

Installation should be in accordance with EN13964:2004. Contact our technical department for full system

Technical Specification

Product	AC500 (square-edge); AC505 (tegular-edge)
Description	Tilesorption dB ceiling tiles
Size	600mm x 600mm
Thickness	20mm
Grid system	Exposed grid system
Edge detail	Square edge or tegular edge to suit 24mm grid width
Weight	Tiles approx. 7.7kg/m ² Exposed grid system 1.5 kg/m ²
Surface patterns	Light texture with needle perforation on face Reverse acoustic coating Non-shedding
Colour	White (two coats dispersion-type paint, free from organic solvents)
Light reflection	Approximately 84%
Fire performance	Fire rated Class 0 Material classification: EN 13501-1, A2-s1, d0 BS476: Part 23 steel beams – none BS476: Part 21 timber floors – none BS476: Part 21 mezzanine floors – none
Acoustic properties	Sound absorption NRC: 0.45 Sound absorption α_w : 0.45 Absorption: class D Sound insulation: (D_{ncw}) up to 49dB (room to room) – contact our technical department for guidance.
Relative humidity value	Approximately 95%



All information contained in these details is given in good faith but without warranty. Custom Audio Designs Ltd reserves the right to alter the specifications of any product without notice.

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