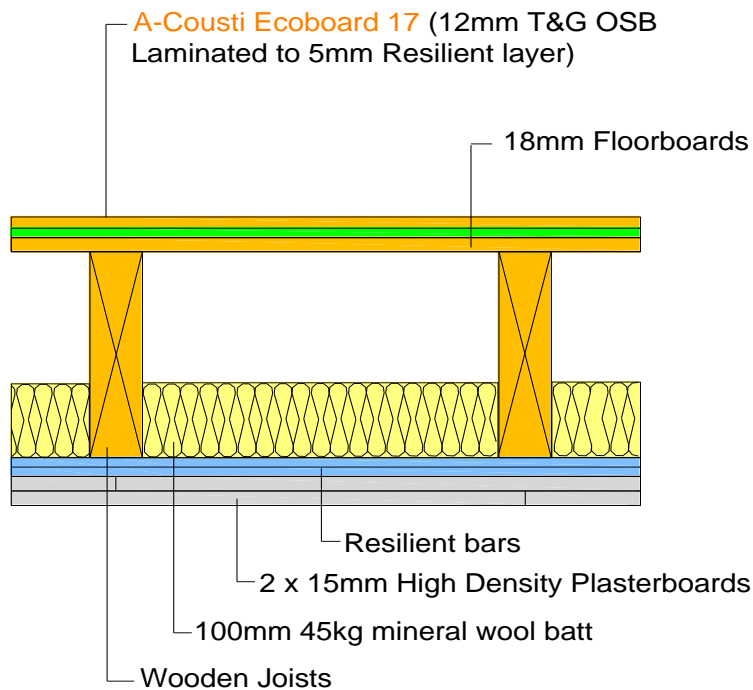


**Technical Installation Guide Number 11**

**A-Cousti Platform System 17**

**Description**

A-Cousti Platform system 17 is designed to reduce airborne and impact noise as part of timber separating floor construction with minimum depth. It consists of A-Cousti Ecoboard 17 above a 18mm OSB or chipboard structural floorboard.



**Specification**

Components: 17mm A-Cousti Ecoboard 17  
 Board Size: 1840mm X 675mm  
 Board weight: 8.7 kg  
 Weight/m<sup>2</sup>: 7.0 kg/m<sup>2</sup>  
 Test results: Airborne 48RwdB (+Ctr)  
 Impact 58 Lnw

**Build variation**

Build performance improves by 5dB with the addition of a 19mm gypsum plank.  
 Test certificates L205-062 and L205-063 refer.

Feature	Benefit
* Exceeds Approved Document E requirements for new build and change of use	* Removes the fear factor from testing
* Only 35 mm thick	* Over 50mm less than batten systems
* Closed cell resilient layer	* moisture resistant and hygienic in critical clean areas
* Cost competitive	* Reduces total cost

### Technical Installation Guide

1. Ensure that the product is always stored under cover in dry moisture free conditions.
2. Handle with care when moving around the site or unpacking to avoid damage to the edges and corners.
3. The building should be watertight before installation.
4. Ensure sub-floor is thoroughly swept and free from extraneous material.
5. Since the foam laminate is moisture repellent there is no requirement for a vapour control layer.
6. Lay resilient foam layer down.
7. Measure up room and cut boards 5mm short of wall to accommodate **A-Cousti** flanking strips.
8. Stagger the joints ensuring that the tongue and grooves are tightly fitting to avoid any gaps for sound to penetrate.
9. Joints must be glued using adhesive and left for 12 hours before walking on.
10. Under no circumstances should the boards be fixed through to the sub-floor.
11. Insert flanking strip as you go and ensure the boards are pushed tightly against the strip. Do not leave any gaps in the strip and ensure that at no point the boards of the floating layer contact the walls of the structure as this will allow flanking and structural transmission of sound and impair the acoustic performance of the floor.
12. Complete the installation by turning the protruding part of the flanking strip over the board and trap below the skirting to completely isolate the floor from all other hard surfaces. Trim off any excess with a sharp knife and seal the junction with **A-Cousti Fix and Seal**.

### Downlighters

Where a metal frame ceiling is used with **A-Coustiquilt** laid over the top it is recommended that only fire protected and acoustic rated products are fitted. Always fit as per the manufacturer's instructions, but in addition where **A-Coustiquilt** (or any other mineral fibre product) is fitted in the ceiling system ensure there is sufficient airflow around the downlighters. This is achieved by cutting away a hole in the **A-Coustiquilt** of 60mm greater diameter than the downlighter diameter.

In order to accurately locate the holes measure up the position of the hole using the grid of the metal frame as the reference point to establish the co-ordinates for each hole. There should be a minimum of 30mm clearance between the downlighter and the quilt in all directions.

When using proper acoustic rated downlighters there will be no reduction in the acoustic performance of the system. However, downlighters do create an obvious flanking path if not correctly fitted with adequate care.

*Updated April 2010*