**NBS Ref: K13 - Product Specification Sheet –AAS Optic Continuously Slotted Panels**

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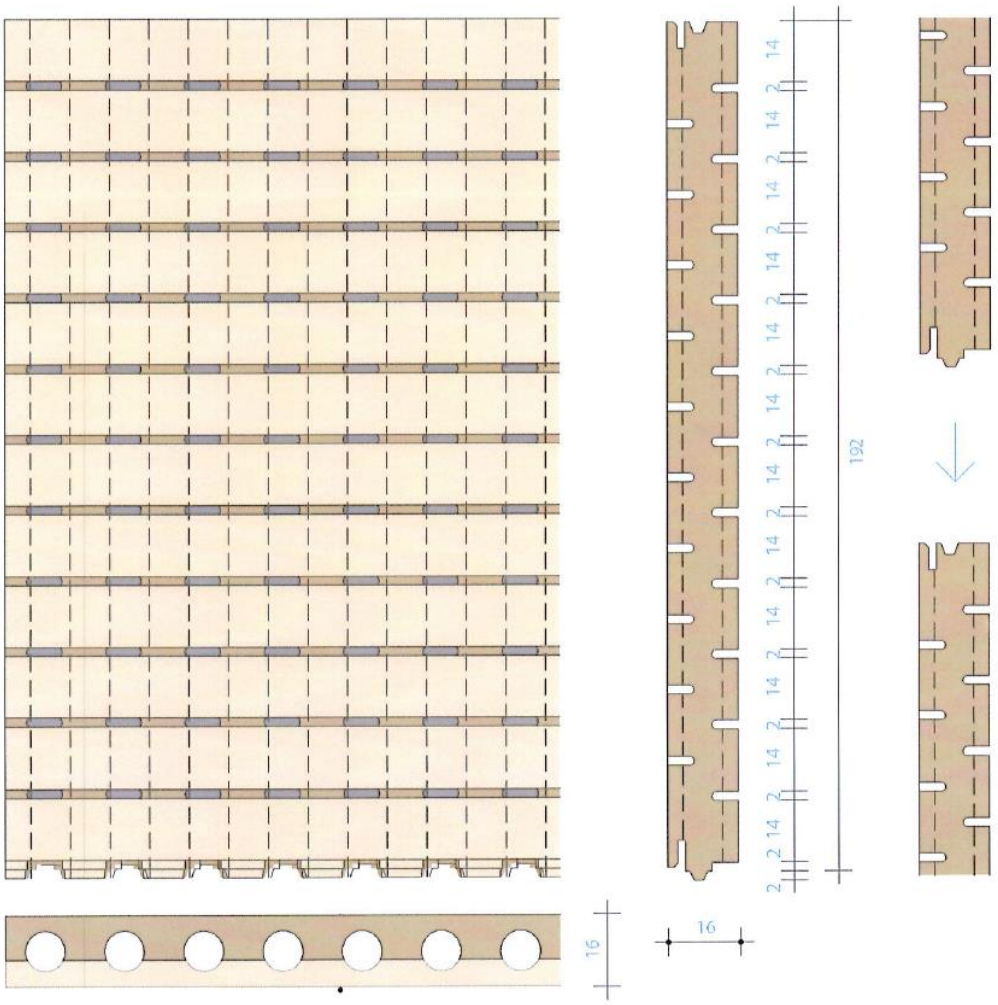
| Product: | AAS Optic: Continuously Slotted Absorption Panels |
| Design: | Sound absorbing boards are drilled perpendicular to the thickness of the panel (16mm) with the holes being intersected by grooves on the face & reverse of the panels. The product is a planked interlocking panel system that provides a seamless aesthetic appearance on installation. |
| Manufacturer: | **AAS Projects & Design Ltd** |
| Web: | www.acoustic-solutions.co.uk |
| E-mail: | enquiries@aasltd.co.uk |
| Tel: | Tel 01923 779377 |
| Address: | **AAS Projects & Design Ltd**, Cedar Lodge, 60 Highfield Way, Rickmansworth, WD3 7PR |
| Product Ref: | Continuously Slotted Panels |
| Standard Size: | 3600mm x 192mm x 16mm (further sizes available on application) |
| Groove Dimensions: | 14/2, 28/4, 13/3 & 9/3 (custom measurements on application) |
| Thickness: | 16mm |
| Long Edges: | 1 edge tongue & 1 edge grooved |
| Ends: | Cut straight |
| Face Finishes: | Melamine, painted to RAL or BS colour, veneer |
| Backing: | Black acoustically transparent acoustic tissue |
| Construction: | 16mm panel thickness with continuous slots (grooves) to the face and reverse with the boards being drilled from edge to edge through the core to create acoustic cavities which absorb sound. |
| Core Board: | Euro Class D MDF or Fire rated MDF |
| Fire Performance: | European Classification B.s3.do – Euro Class B |
| Wall Mounting: | Pinning to batons or via metal clip installation system |
| Sound Absorption Class | Up to class B (dependent on insulation and depth of cavity behind panels) – Shown in the table below |
| Acoustic Performance: | Weighted Sound Absorption Value αw-Ranging on air gap / cavity depth with insulation – Shown in the table below |
| Mechanical Properties: | No live load is permitted |
| Accessibility: | Demountable via mechanical fixing or secured via adhesive |
| Cleaning: | Wet wiping |
| Installation: | In accordance with standard details / project specific specification |
| Sound Insulation: | Not applicable |

**Technical Description**

The planked sound absorbing boards are composed of fire proof MDF which can be finished in a wide range of decorative finishes. The boards are drilled from edge to edge and grooved along their length on the face & reverse of the panels. This combination of holes and grooves absorbs sound to help reduce reverberation times within rooms.

**Typical Panel Construction**




| Rockwool Insulation | Application | αw | NCR | Euro Class for sound Absorption |
|---|---|---|---|---|
| Without | Wall | 0.35 | 0.50 | D |
| | Ceiling | 0.50 | 0.65 | C |
| 20mm Rock Wool | Wall | 0.55 | 0.65 | C |
| | Ceiling | 0.60 | 0.75 | B |
| 50mm Rock Wool | Wall | 0.70 | 0.80 | B |
| 100mm Rock Wool | Ceiling | 0.65 | 0.75 | B |