

InvisAcoustics

Under Slab Ceiling Panels

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INVISACOUSTICS



INVISACOUSTICS: Under Slab Ceiling Panels

InvisAcoustics by Armstrong, delivers much needed sound absorption for “exposed structure” commercial spaces.

Benefits

- High acoustical performance (NRC up to 0.85) for a quieter, less reverberant space
- Cost effective panel and mounting grid
- Speed of installation
- Direct fix grid application
- Simple pre-engineered mounting grid with perimeter trims
- Available in Traffic White, Black and special RAL and Wood Effects colours on request
- Standard 1200x600mm panels for easy handling
- Prefinished durable scrim and beveled edge
- No slab preparation or use of expensive & messy adhesives
- Total system depth of 50mm (20mm thick panels)
- 30mm air gap (between slab and back of panel) to accommodate electrical cables

Typical Applications

- Any interior space where there is an exposed structure
- Auditoriums, Classrooms and lecture theatres
- Bars, restaurants and other hospitality areas
- Commercial Offices • Specialty retail • Airport lounges

Wood Effects: Refer to back page for selection considerations and the “SOUNDSCAPES Finishes” Brochure for larger images.



American Oak

Curly Birch

Walnut

Casuarina

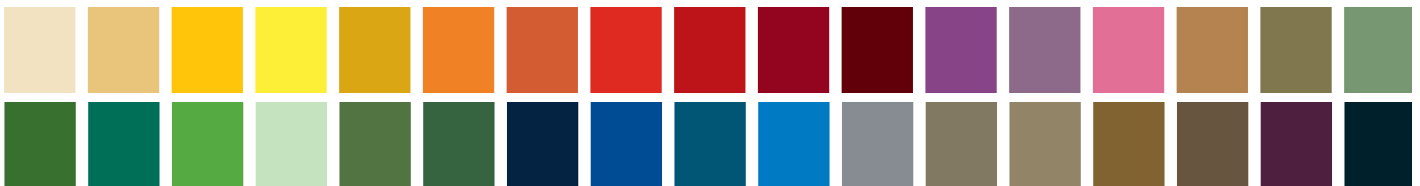
Western Red Cedar

Jarrah

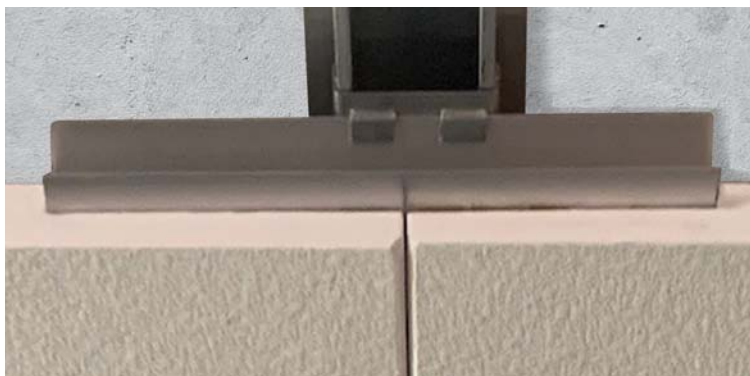
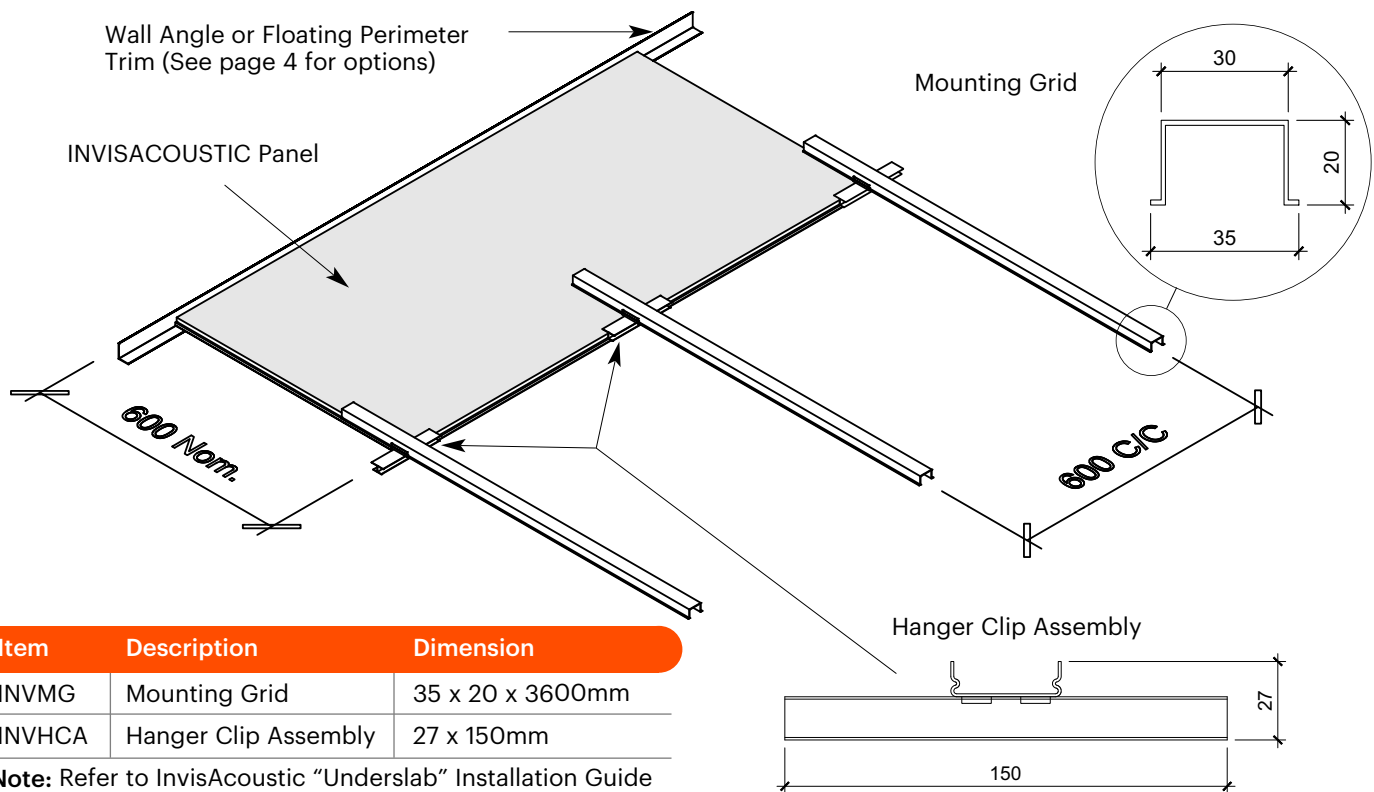
Spotted Gum

Kwila

RAL Colours Available (sample only). For a full list of RAL Colours, refer to the “SOUNDSCAPES Finishes” Brochure.



Installation and Suspension System



Performance

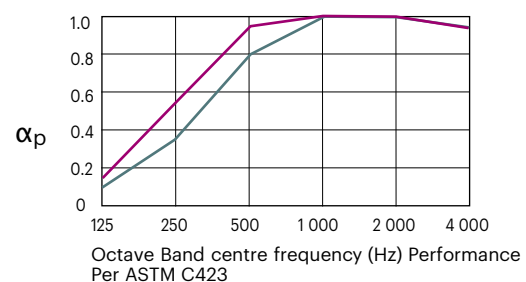


INVISACOUSTICS panels can significantly reduce background noise levels and reverberation times within spaces and enhance speech intelligibility. The glasswool substrate provides high levels of absorption with panels being applied as a continuous "invisible" ceiling, or installed as a flexible array; or as a 'discrete' absorber when installed as separate decorative elements.

Acoustical Data – Sound Absorption (NRC)

| Panel Thickness | NRC |
|-------------------------|------|
| • INVISACOUSTICS – 20mm | 0.75 |
| • INVISACOUSTICS – 30mm | 0.85 |




* Average of 500-4000Hz, laboratory measurements with units suspended at 30mm (depth) in accordance with EN ISO 354:2003.



Note: INVISACOUSTICS panels are produced from 20mm or 30mm thick OPTRA glasswool.

The acoustical performance of a space is primarily determined by its volume and how much sound absorbing material is present. This includes the quantity and size of the INVISACOUSTICS panels being installed. Acoustical engineers can calculate the room acoustical performance or contact your Armstrong Technical Representative for additional performance information and details on our Reverberation Time and Acoustical Calculator.

Physical Data

| | |
|------------------------|--|
| Specification: | Armstrong INVISACOUSTICS "underslab", glass wool acoustic ceiling panels and Aluminium direct fix mounting grid system |
| Material: | OPTRA Glasswool substrate |
| Surface Finish: | Durable scrim to face, with factory-applied acrylic paint or Wood Effects image |
| Edge Detail: | K4C4 and painted to match panel face |
| Colours: | <div>    </div> <p>Refer to "Wood Effects and RAL Colour Palette Chart" for details</p> |

| Item nr. | Dimensions (mm) | Pieces / carton | Weight |
|------------|-----------------|-----------------|--------------|
| INV 061220 | 600 x 1200 x 20 | 4pcs/ctn | 2.3 kg/panel |
| INV 061230 | 600 x 1200 x 30 | 4pcs/ctn | 3.5 kg/panel |

Other sizes on request.

Perimeter Solutions


| Item | Description | Dimension |
|-------|---------------------------------|------------------|
| ALSW1 | Heavy Duty Wall Angle | 25 x 35 x 3600mm |
| CT20 | "C" Perimeter Trim (20mm Panel) | 25 x 45 x 3600mm |
| CT30 | "C" Perimeter Trim (30mm Panel) | 25 x 55 x 3600mm |




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Wood Effects selection considerations


1. Wood Effects finishes above are indicative only and may vary from the actual product.
2. Wood Effects finishes are not recommended in areas where there are high levels of critical or glancing light.
3. Wood Effects finishes closely simulate a natural timber appearance and a variation can be expected in the wood pattern and shade between adjacent panels.




Humidity Resistance 95%




80%
Recycled Content



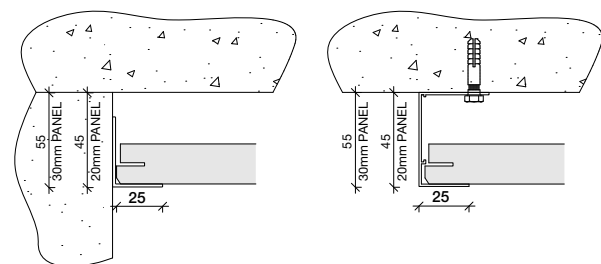
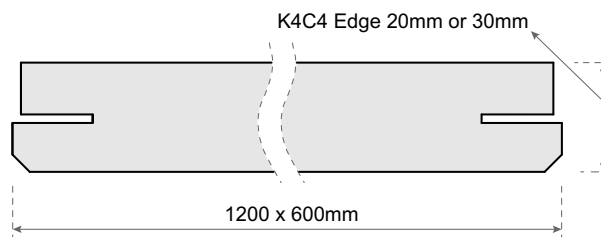
Conforms with NCC Spec. C1.10 as tested to AS 5637.1:2015 – Group 1, and ISO 5660 – Group 1 – S



Thermal Insulation (R-Value)
0.47 m²K/W



90%
Light Reflectance



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