

Avant 15™ - NRC 0.85

High Sound Absorbing Ceiling Panel

Technical Data sheet



asona

Description.

Avant 15™ is an economical made in NZ high sound absorbing glass fibre ceiling panel with mat white or black glass tissue facer. Panels lay into pacific white or black T24 grid.

Application.

Avant 15™ is ideal for use in theatres, clubs, gyms, retail and other applications that require a smooth white finish and good control of background noise levels and reverberation times.

Composition.

Manufactured in NZ from bio-soluble resin bonded glass fibre board finished with mat white or black glass tissue facer.

Benefits.

- High sound absorption rating, NRC 0.85, ISO 11654 class A, α_W 0.90 for effective control of noise reverberation.
- Made in NZ, low embodied energy, contains 80% recycled local glass waste, low transport km's vs. imports
- Durable mat white or black Sonatex™ facing, high light reflectance, dimensionally stable in high humidity.
- Light weight, easy to work and trim

Technical Specifications

Item #	Size (nominal) *	Edge
AV15.0606	15 x 600 x 600 mm	A / Square
AV15.0612	15 x 600 x 1200 mm	A / Square

Sound Absorption Rating:						
aW 0.90; Class A; NRC 0.85 per ASTM C423						
ISO 354 E-200, Test report TO516-03						
Hz	125	250	500	1000	2000	4000
ap	0.55	0.80	0.90	0.85	0.90	0.90

Accessibility:

All panels are demountable and accessible

Back loading:

Max. 1.5 kg/m², point loads shall be independently supported.

Colour:

White, black, other colours and custom design prints to order.

Environmental impact:

From 80% recycled local content, low embodied energy, product and packaging can be recycled in NZ.
VOC <0.002 Mg/M²/hr per ASTM D5116

Fire Reaction:

Material group number: 1S (highest rating) C/VM2 / ISO 5660.1. Suitable for fire exit way and all other sprinklered & non sprinklered buildings.

Humidity:

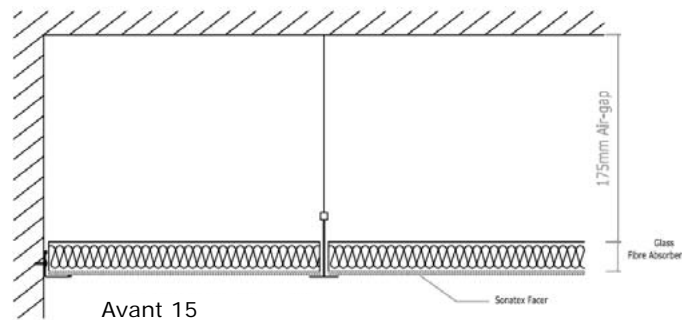
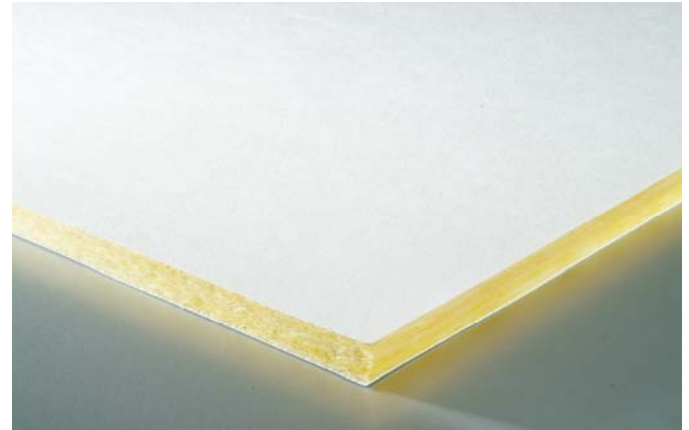
Max 99% R/H at 45°C.

Light reflectance:

ASTM C1477 LR-1, >75% White

Maintenance:

Clean with vacuum, soft brush or damp cloth. Re-surfacing of soiled panels available, consult Asona.



NZ Building Code:

Exceeds NZBC clause B2—durability

Service Panels:

Available with protective plastic film covering to help keep panels cleaning during the construction phase.

Thermal Resistance:

R 0.45 m²°C/W

Weight:

1.5 kg/m²

Installation:

Shall not commence until the building is water tight and dry. Light fittings shall be independently supported, use hold down clips in areas of wind uplift. It is recommended that air grilles be installed in the ceiling to balance air pressure differentials. Do not use in ceilings with negative air return plenums unless encapsulated option specified.

Specification:

Ceiling system shall be Avant 15™ high sound absorbing ceiling as manufactured by Asona Ltd Tel: 09 525 6575 Fax: 09 525 6579, # () , module () x ()mm, 15 mm thick, sound absorption Class A, α_W 0.90, NRC 0.85, thermal insulation R0.45, fire group: 1S, colour (white) (black), with proprietary colour/texture matched TFX™ glass tissue faced two way exposed suspension system. Supply service panels with protective strippable plastic film facing.

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