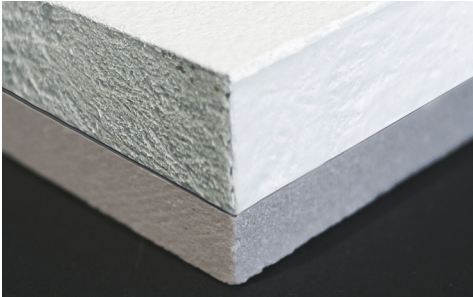




## C MAX COMBO + Lightweight High Performance Acoustic Ceiling Tile



C Max Combo + is a composite tile with a refined white painted, monolithic, pre-finished face. It has an absorptive layer with an attenuating backer behind. Combo + not only has amazing acoustic properties (and meets Ministry of Education requirements) but also is a much better solution for seismic requirements. Performance data demonstrates an NRC of 0.85 and a minimum CAC of 42, that can be increased to a CAC of 52 quite easily.

The invention comprises two layers of material that are flexibly attached together with an air gap in between. This allows each of the layers to flex and vibrate and to define a cavity. The resulting tile weight is only 7.5kg.

- Patent is pending on this revolutionary design
- The absorbent face is made from a compounded, high density glass-wool.
- The attenuating backer reduces sound transfer over office partitions and reduces rain noise from roofing. It is a high performance ceiling tile which is user friendly and ideal for use in airports, offices, classrooms, boardrooms, museums and other commercial interiors.

This tile comes with a 30 year lifetime system warranty to withstand conditions up to 40° and 99% relative humidity without visible sag, when used with a T&R Interior Systems branded suspension system. Tiles should be installed in accordance with NZS1170.5, AS/NZS2785 and the grid manufacturer's instructions.

### EMISSIONS, SUSTAINABILITY AND THE ENVIRONMENT -

For Green Star rated projects, CMX meets the Greenguard Emission Certificate standard.

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## C MAX COMBO + Lightweight High Performance Acoustic Ceiling Tile



| TEST DATA                      | RESULT   | TEST METHOD       |
|--------------------------------|--|-------------------|
| Absorption (ISO 354)           | SAA 0.94   | AST C432          |
|                                | ap 0.90  | ISO 11654 -1997   |
|                                | NRC 0.85   | ASTM C423         |
| Attenuation (ASTM E1414-11A)   | CAC 42   |                   |
|                                | D <sub>n,cw</sub> 42   | ASTM E413-10      |
| Weight                         | 7.5kg/m <sup>2</sup>   |                   |
| Density                        | Glasswool 100kg/m <sup>3</sup> Mineral fibre: 250kg/m <sup>3</sup>                           |                   |
| Light Reflectance              | LR 87% +   | ASTM E1477-98     |
| Fire Test - ISO 5660 Parts 1&2 |  Group 1-S | Cone Calorimeter  |
|                                |  | NZBC C/AS1 – AS27 |
| Moisture Rate                  | ≤ 1 %  | JC/T 670 – 2005   |

### SIZE

35mm depth, Square Edge, *Reveal Edge\**

[600 x 600] [1200 x 600] \*[1200 x 300] \*[1500 x 300]

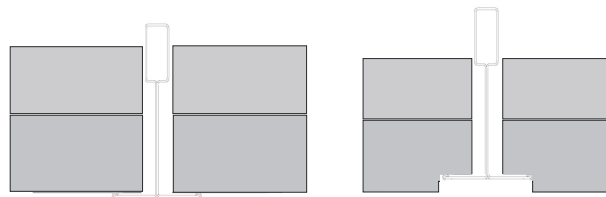
To suit 24mm Grid patterns

\* Available by indent order. Other sizes available on request.

### COLOUR

White (and Black available on indent and MOQ)

### EDGE DETAIL



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## C MAX COMBO + Lightweight High Performance Acoustic Ceiling Tile

The ceiling attenuation class of one room with C Max Combo Plus and an adjacent room of C Max Absorb 15mm ceiling tiles in a suspended ceiling grid.

|                    |                                       |                     |
|--------------------|---------------------------------------|---------------------|
| <b>Attenuation</b> | <b>CAC &amp; D<sub>n,c,w</sub> 32</b> | <b>ASTM E413-10</b> |
|--------------------|---------------------------------------|---------------------|

The ceiling attenuation class of one room with C Max Combo Plus and an adjacent room of C Max Absorb 15mm ceiling tiles in a suspended ceiling grid with a baffle stack (with NOVAhush 900P 600mm wide and 30% compression) across the partition.

|                    |                                       |                     |
|--------------------|---------------------------------------|---------------------|
| <b>Attenuation</b> | <b>CAC &amp; D<sub>n,c,w</sub> 47</b> | <b>ASTM E413-10</b> |
|--------------------|---------------------------------------|---------------------|

The ceiling attenuation class of C Max Combo Plus ceiling tiles in a suspended ceiling grid with a baffle stack (with NOVAhush 900P 600mm wide and 30% compression) across the partition.

|                    |                                       |                     |
|--------------------|---------------------------------------|---------------------|
| <b>Attenuation</b> | <b>CAC &amp; D<sub>n,c,w</sub> 51</b> | <b>ASTM E413-10</b> |
|--------------------|---------------------------------------|---------------------|

The ceiling attenuation class of C Max Plus ceiling tiles in a suspended ceiling grid with a 1200mm insulation strip across the partition.

|                    |                                       |                     |
|--------------------|---------------------------------------|---------------------|
| <b>Attenuation</b> | <b>CAC &amp; D<sub>n,c,w</sub> 45</b> | <b>ASTM E413-10</b> |
|--------------------|---------------------------------------|---------------------|

The ceiling attenuation class of C Max Combo Plus ceiling tiles in a suspended ceiling grid with R3.6 insulation across the entire ceiling (EarthWool Ceiling Batt).

|                    |                                       |                     |
|--------------------|---------------------------------------|---------------------|
| <b>Attenuation</b> | <b>CAC &amp; D<sub>n,c,w</sub> 52</b> | <b>ASTM E413-10</b> |
|--------------------|---------------------------------------|---------------------|

*\* Acoustic Performance re-tested in New Zealand labs in 2020*

*Absorption Test: E400 Mounting Method*

*Please note; these results may differ from earlier datasheets*

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