

INSTALLATION

# — Fractal —



SOLID WOOD SUSPENDED CEILING  
WITH VERTICAL SLATS



LAUDESCHER

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## Installation with long-span profiles

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FRAME

Installation can be carried out on long-span profiles in accordance with our patented system, as well as in compliance with the current standards and best practice rules in each country (DTU 58-1). Laudescher will supply the metal bar and pins.

Other structural elements are not supplied by Laudescher.

The entire frame and suspension system must be suitable for use in humid and/or corrosive environments.

DESCRIPTION

|                                |                                                      |
|--------------------------------|------------------------------------------------------|
| Long-span profile              | Centre distance 600 mm                               |
| Stabiliser bars                | 1 bar between hangers                                |
| Distance between upper hangers | To be dimensioned according to the long-span profile |
| Metal bar suspension component | See assembly details.                                |

FRAME QUANTITY OF ITEMS

|                   |                         |
|-------------------|-------------------------|
| Long-span profile | 1.7 ml/m <sup>2</sup>   |
| Stabiliser bar    | 0.4 ml/m <sup>2</sup>   |
| Lower hanger      | 0.7 unit/m <sup>2</sup> |
| Upper hanger      | 1.5 unit/m <sup>2</sup> |

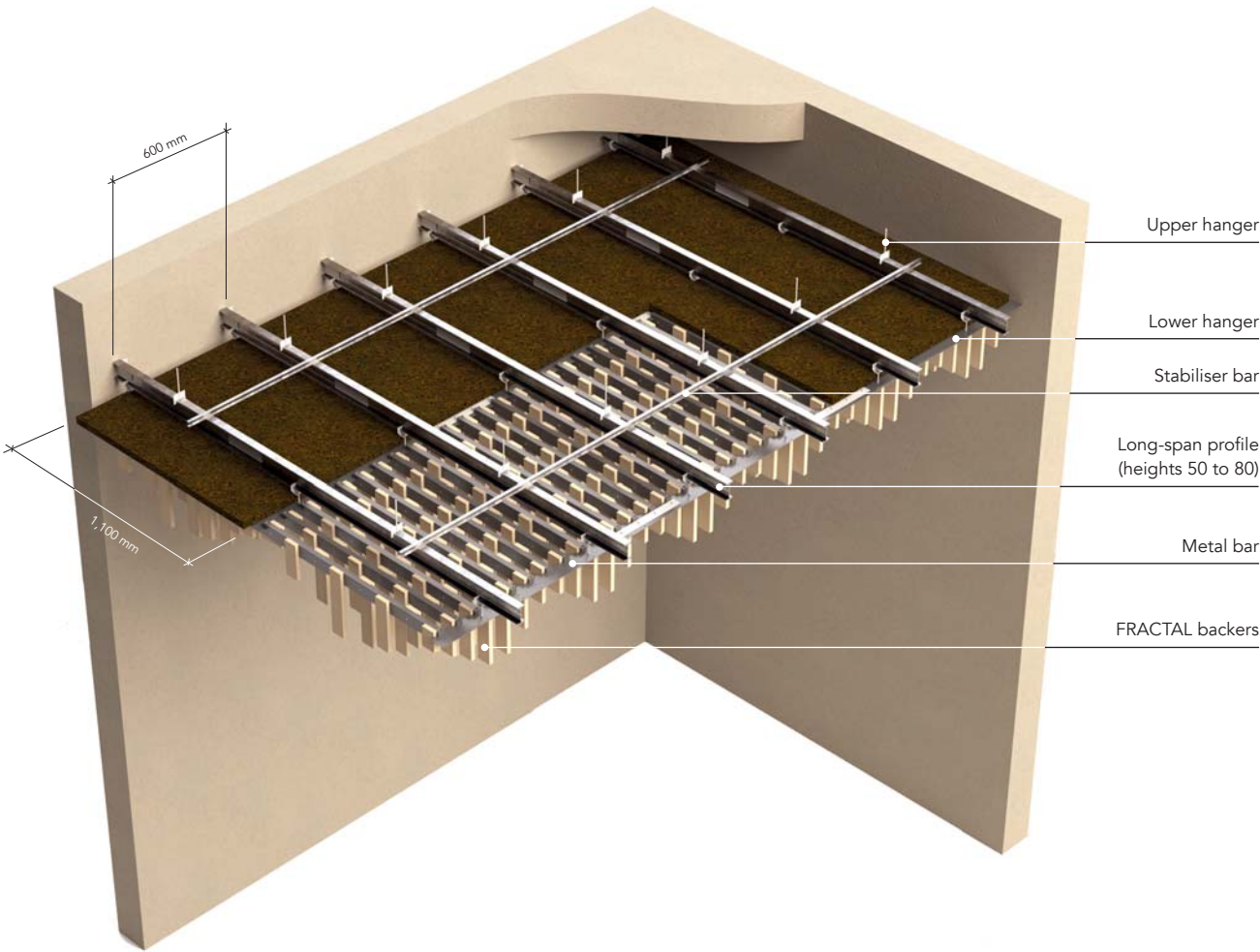
Ensure that the attachment to the support and the structure are correctly dimensioned according to the rail models used.

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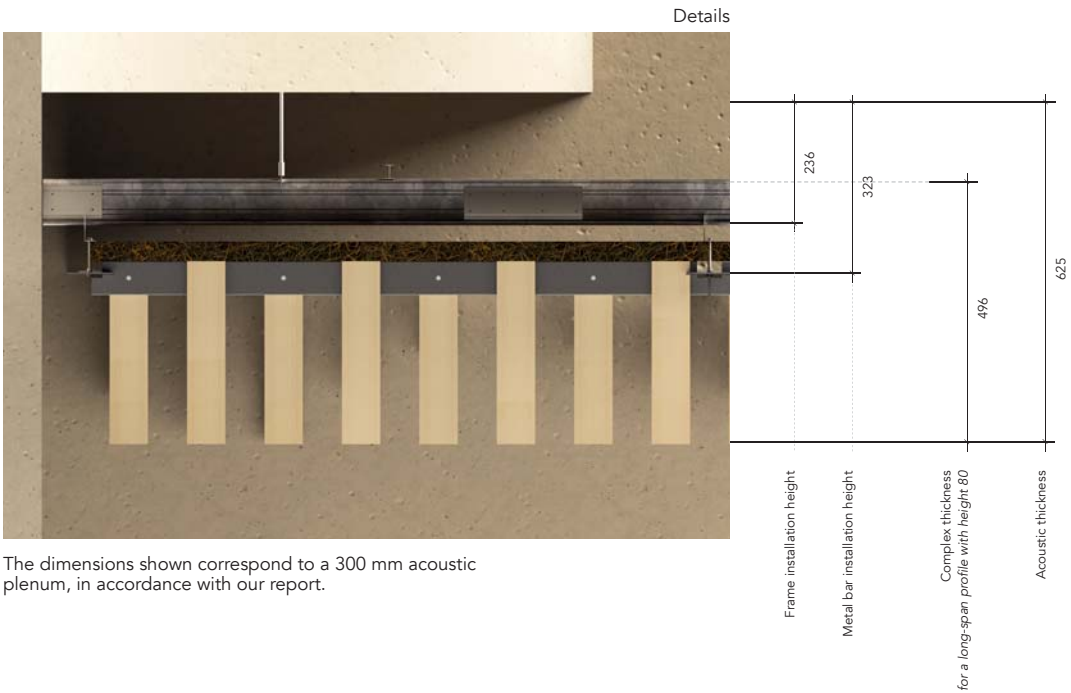
# Overviews

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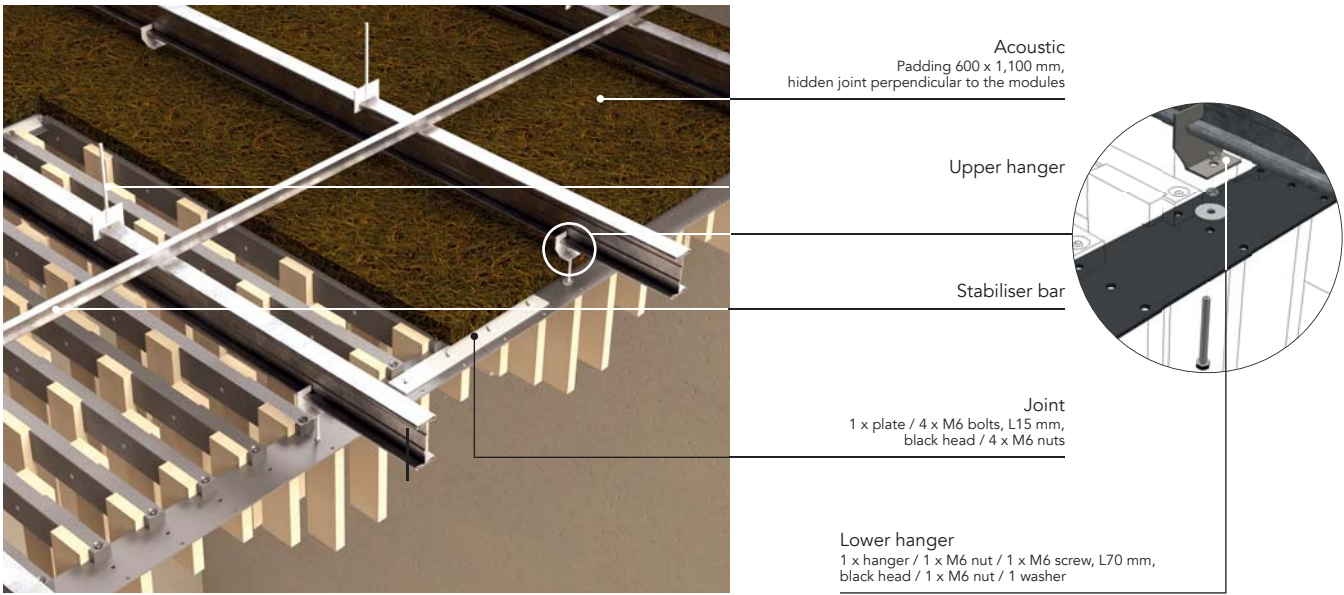
General view



System dimensions



Assembly



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## Installation with mounting rails

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FRAME

Installation can be carried out on mounting rails in accordance with our patented system, as well as in compliance with the current standards and best practice rules in each country (DTU 58-1). Laudescher will supply the metal bar and pins. Other structural elements are not supplied by Laudescher.

The entire frame and suspension system must be designed for application in humid and corrosive environments.

DESCRIPTION

|                                       |                                                          |
|---------------------------------------|----------------------------------------------------------|
| Rails 41 x 62                         | Centre distance 1,100 mm                                 |
| Rails 41 x 22                         | Centre distance < 3,000 mm (on both sides of the joints) |
| Distance between hangers              | 550 mm maximum<br>250 mm from the edges maximum          |
| Suspension components and connections | See assembly details.                                    |

FRAME QUANTITY OF ITEMS

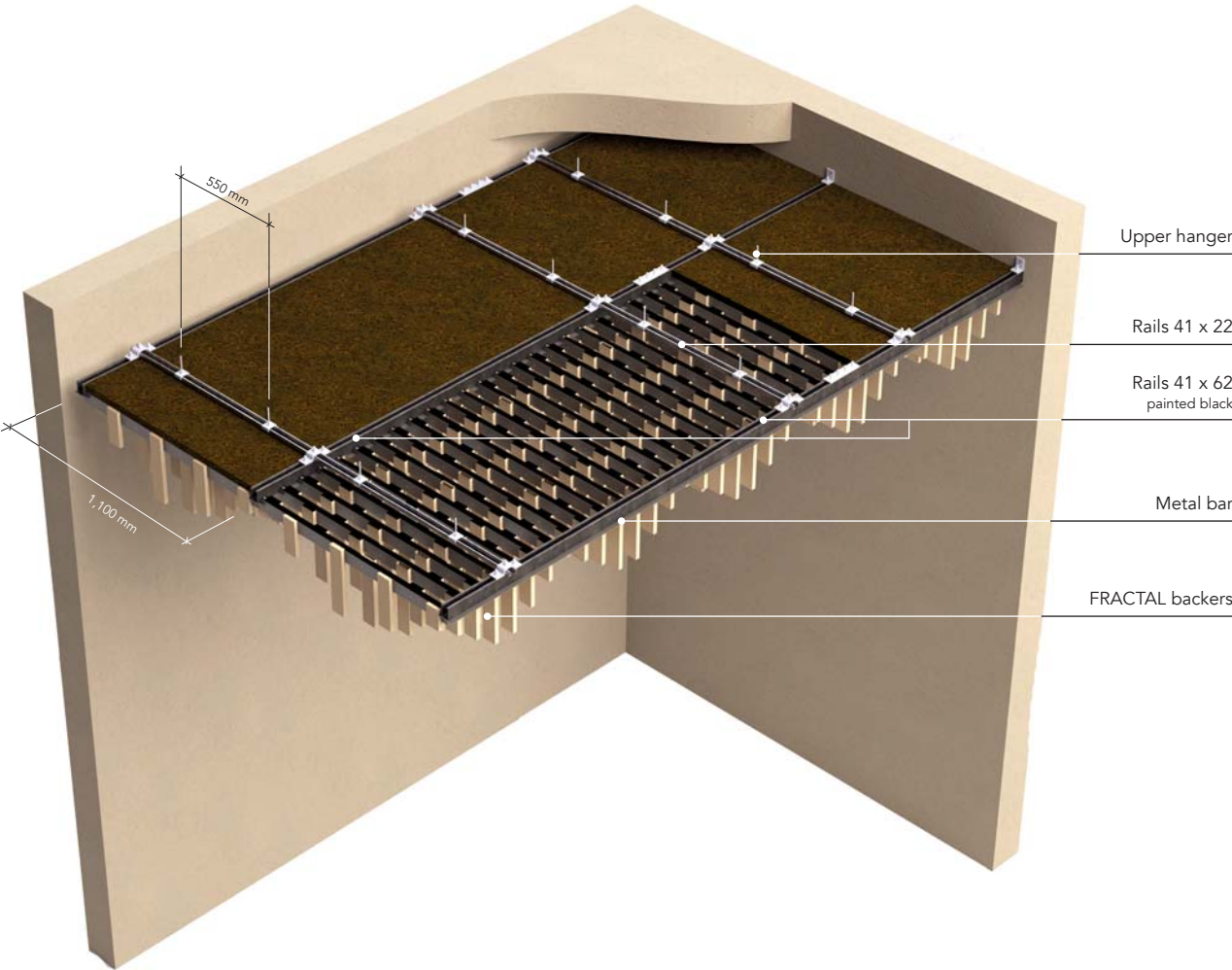
|                      |                      |
|----------------------|----------------------|
| Rails 41 x 62        | 0.91 ml/m²           |
| Rails 41 x 22        | 0.33 ml/m²           |
| Omega bracket        | 0.3 unit/m²          |
| Threaded rod hanger  | 0.7 unit/m²          |
| Metal bar connection | 2.5 unit/m²          |
| Bracket, joint       | According to project |

Add a row of rails to complete the frame quantity of items.  
The load capacity for rail thicknesses greater than 1.5 mm is > 40 kg/m².  
Ensure that the attachment to the support and the rails are correctly dimensioned according to the model used.



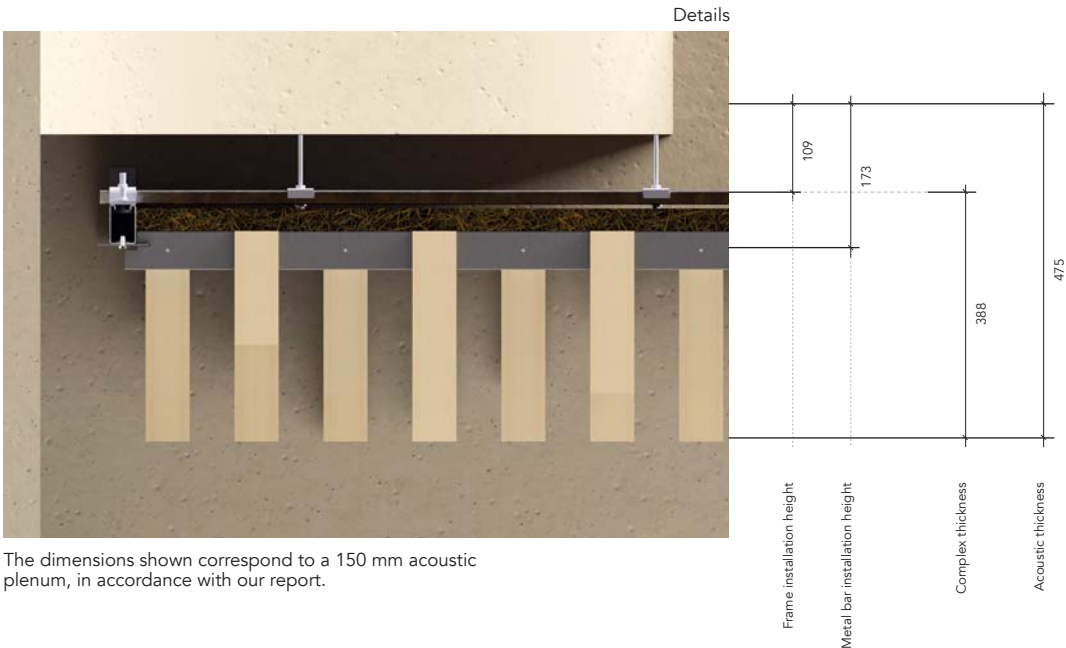
# Overviews

General view

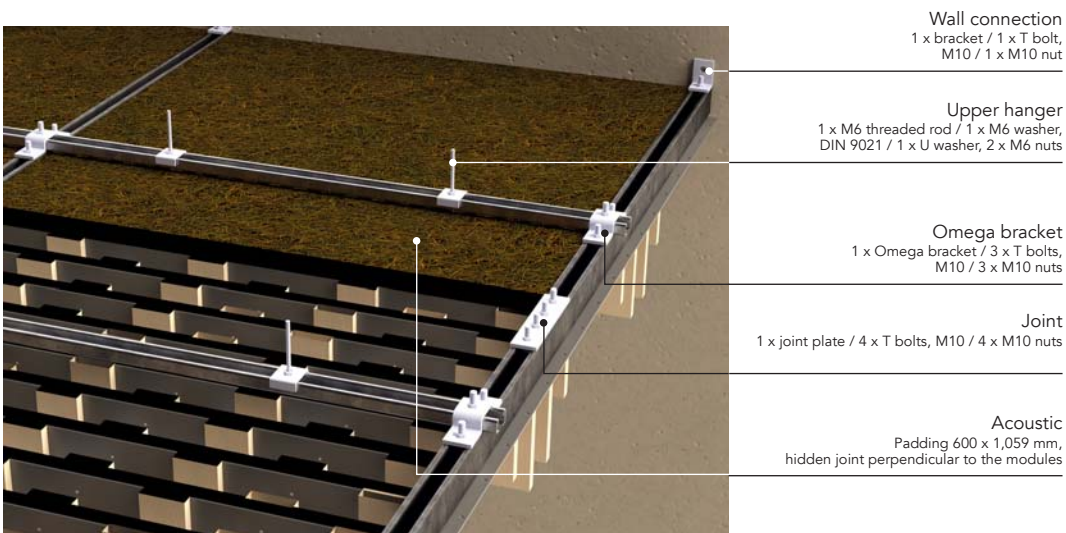




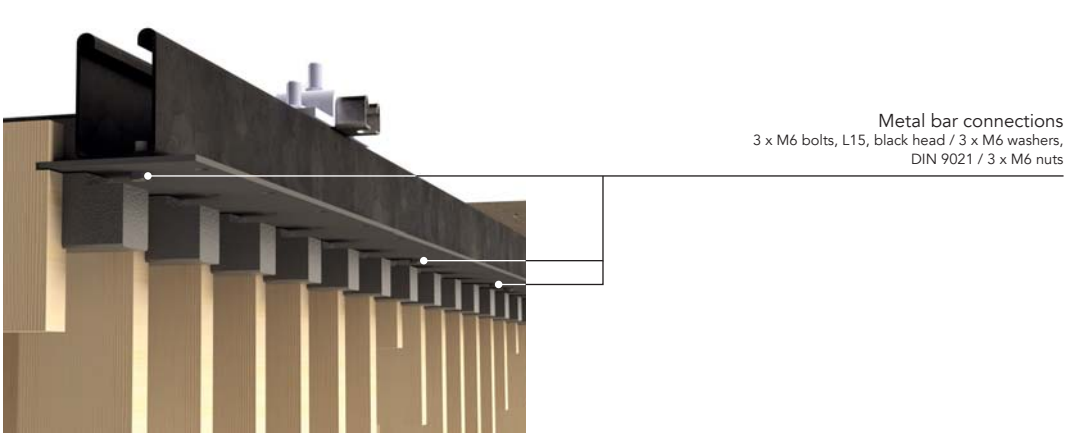
System dimensions



Assembly

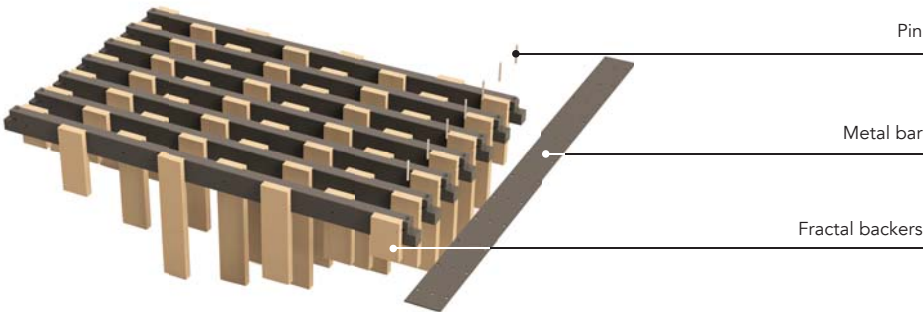


Assembly details

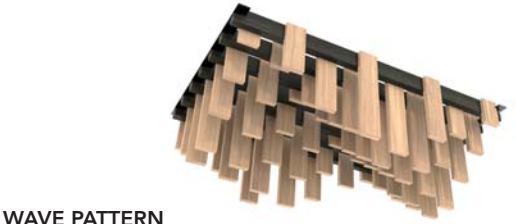


## Installation method

1 pattern consists of 7 backers, assembled using metal bars and pins.



There are 2 structures available for creating patterns.



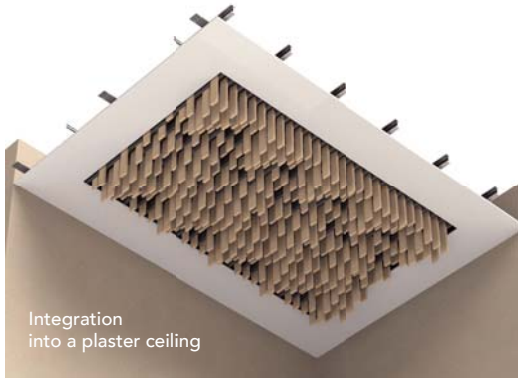
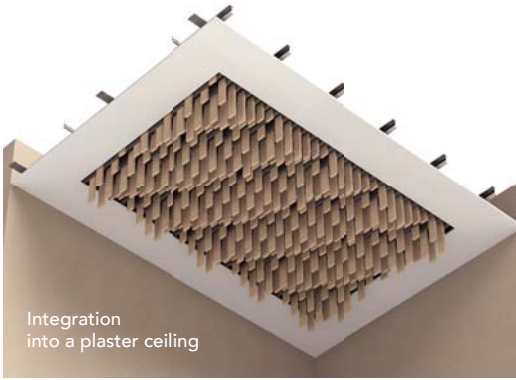
**WAVE PATTERN**

To create this wave pattern, the backers are arranged in the following order:  
A - B - C - D - D' - C' - B'




**RANDOM PATTERN**

To create this random pattern, the backers are arranged in the following order:  
A - B - C - D - D - C - B  
*The order of the backers can be changed during installation to achieve a different visual effect.*



Backers B' - C' - D' are inverted modules  
Example: Backers B and B' (the mirror image of B).





Fractal ceilings are customisable, and we can assist you with any non-standard requests regarding length or shape.



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