

DATASHEET

# Rockfon® Mono Acoustic



**Sounds Beautiful**

# Rockfon® Mono Acoustic



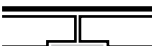
- Perfect for ceilings and walls, the innovative monolithic surface delivers outstanding acoustic comfort and fire protection
- Flat. Direct or suspended installation. The perfect design solution for new-build or renovation projects alike
- The refined white surface provides high light reflection and light diffusion, ensuring even light distribution and reducing the need for artificial light
- A completely seamless system that allows for easy integration of all services and the possibility for surface maintenance

## Product Description

- Monolithic system comprising of a stone wool panel, filler and render
- Visible side: acoustic render
- Rear side: high performance membrane (Rockfon Mono Acoustic Direct is supplied with a mineral fleece)

## Application Areas

- Office
- Education
- Leisure
- Retail
- Residential

| Edges   | Module size (mm) | Weight (kg/m <sup>2</sup> ) | MS / MS Easy Access (mm) | Recommended installation System | Recycled Content |  Full Scope - V 4.0 | A1-A3 Production stage impact (kg CO <sub>2</sub> eq/m <sup>2</sup> )* | A1-C4 Full life cycle impact (kg CO <sub>2</sub> eq/m <sup>2</sup> )* |
|---|------------------|-----------------------------|--------------------------|---------------------------------|------------------|--|--|---|
| <br><b>Mono Acoustic FE</b>          | 1200 x 1200 x 25 | 4.0                         | 75 / Not demountable     | Rockfon® System Mono Acoustic   | 44%              | Silver   | 2.93   | 3.90  |
|   | 1800 x 1200 x 40 | 6.0                         | 90 / Not demountable     | Rockfon® System Mono Acoustic   |                  |  | 5.38   | 6.97  |
| <br><b>Mono Acoustic Direct FE</b> | 1200 x 1200 x 25 | 4.0                         | 25 / Not demountable     | Rockfon® System Mono Acoustic   | 44%              | Silver   | 2.93   | 3.9   |
|   | 1800 x 1200 x 40 | 6.0                         | 40 / Not demountable     | Rockfon® System Mono Acoustic   |                  |  | 5.38   | 6.97  |

For this product, module size = exact dimension. Panel weight is stated exclusive of filler and render. Do not install Rockfon Mono Acoustic where a pressure difference can be created between the front and backside of a Rockfon Mono Acoustic ceiling. Rockfon Mono Acoustic Direct can only be installed directly onto an airtight surface.

\* For full environmental impact disclosure, see our product EPDs available on [rockfon.link/apac-epd](https://rockfon.link/apac-epd). Due to differences in calculation methods and scenario assumptions, environmental impact values are generally not directly comparable between manufacturers.



## Performance



### Sound absorption

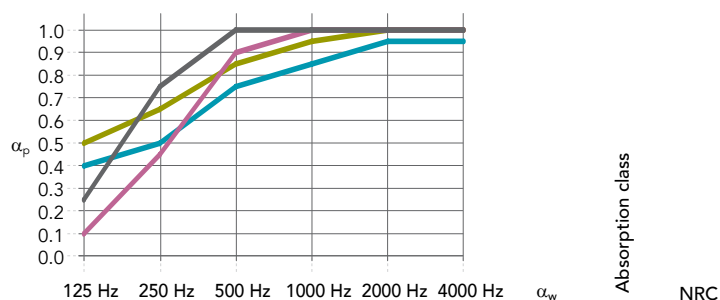
$\alpha_w$ : up to 1.00 (Class A)

\* Rockfon Mono Acoustic panels

\*\* Rockfon Mono Acoustic Direct panels

Sound absorption values are valid for flat surfaces.

When conducting an acoustic study, please take into account the services integrated into the ceiling as well as the project layout.



Thickness (mm) /  
Suspension (incl. tile - mm)

|                                   | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | $\alpha_w$ | Absorption class | NRC  |
|-----------------------------------|--------|--------|--------|---------|---------|---------|------------|------------------|------|
| Elegant Render (White) 25 / 200 * | 0.40   | 0.50   | 0.75   | 0.85    | 0.95    | 0.95    | 0.75       | C                | 0.80 |
| Elegant Render (White) 40 / 200 * | 0.50   | 0.65   | 0.85   | 0.95    | 1.00    | 1.00    | 0.90       | A                | 0.90 |
| Elegant Render (White) 25 / 25 ** | 0.10   | 0.45   | 0.90   | 1.00    | 1.00    | 1.00    | 0.75       | C                | 0.85 |
| Elegant Render (White) 40 / 40 ** | 0.25   | 0.75   | 1.00   | 1.00    | 1.00    | 1.00    | 1.00       | A                | 0.95 |



### Reaction to fire

A2-s1,d0



### Light reflection

87% light reflection (White)  
>99% light diffusion (White)



### Visual appearance

L value: 94.5 (White)

The whiteness (L value) of the product is tested in accordance with ISO 7724 and measured on a scale from 1 (black) to 100 (white).



### Humidity and sag resistance

Up to 100% RH.

No visible deflection in high humidity  
Rockfon Mono Acoustic can be used in swimming pools provided it is not exposed to condensation, splashing water or water droplets. The suspension system components must be corrosion resistant and the room and plenum well ventilated.

For more information, please contact Rockfon Technical service.



### Cleaning

- Vacuum



### Hygiene

Stone wool provides no sustenance to microorganisms



### Recyclability

Fully recyclable stone wool



### Indoor environment

Rockfon ceiling products are classified in Class E1 in accordance with EN 13964 (EN 717-1). Rockfon ceiling products have a very low release of VOCs. A selection of Rockfon products have achieved the following performance levels and labels in indoor air emissions:



### Material health

All materials used in Rockfon products are screened against the list of substances restricted under REACH or recognized as Substances of Very High Concern (SVHC) on an ongoing basis. Rockfon stone wool fibres comply with the safe fibre EU regulation and hold an EUCEB certification.

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