

Rockfon Eclipse™

When design meets acoustics





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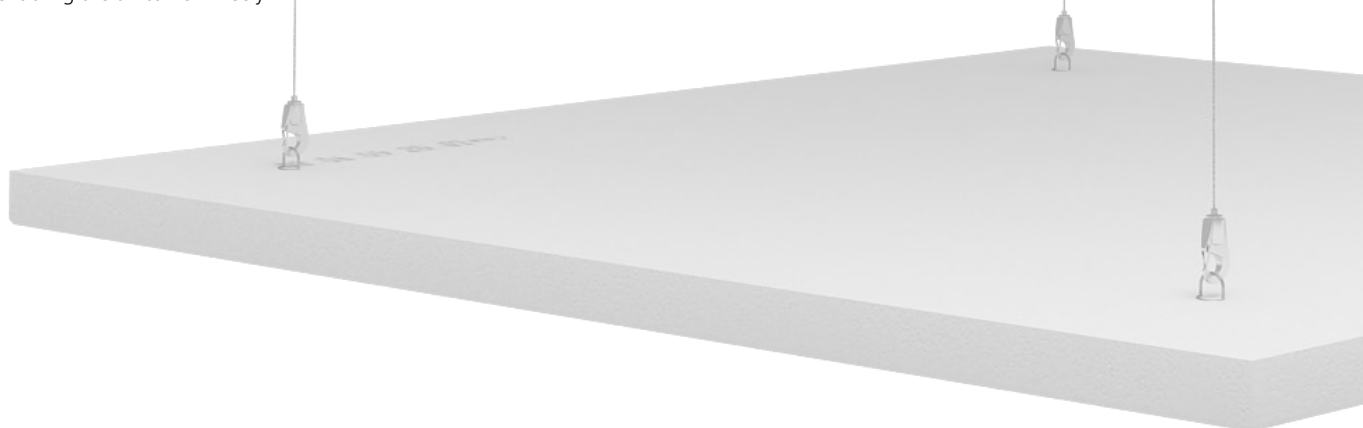
When design meets acoustics

- *Aesthetic frameless island*
- *High acoustic comfort*
- *Suitable for numerous applications*

Rockfon Eclipse is an innovative, frameless acoustic island which offers new opportunities for improving acoustics while bringing a whole new aesthetical dimension to the room. Rockfon Eclipse also provides acoustic enhancement to premises using thermal mass construction by enabling the air to flow freely in the room.

Fast and easy to install, Rockfon Eclipse is very versatile and can be installed in new or refurbished buildings as well as be used for retrofit purposes when extra acoustic comfort is required in a room.

The combination of aesthetics and performance is perfectly suited to many different kinds of applications, from offices to education, restaurants to retail or leisure.





Design

A whole new aesthetic dimension

Trendy and stylish, Rockfon Eclipse is available in square or rectangular formats in order to bring a solution to any kind of room configuration. Frameless, it offers a sharp looking edge underlined by an elegant bevel.

Its smooth, white surface is very long-lasting and ensures perfect reflection of light and heat for increased comfort and energy savings. When used alone, Rockfon Eclipse is also a perfect solution for improving acoustics in rooms where a traditional suspended ceiling cannot be used (glass roof, historical buildings, infrastructure and installation access, etc).

- *Trendy, minimalistic look*
- *Discreet suspension accessories*
- *A new way of structuring space*

The suspension accessories were also developed with design in mind. Modern and very sober, they integrate into any kind of space in a discreet and harmonious manner. Rockfon Eclipse can also be installed below an existing ceiling (modular or gypsum) for retrofitting purposes.



Acoustics

- *High sound absorption*
- *Reduced ambient sound level*
- *Improved speech intelligibility*

Ensuring optimum comfort

Current building trends using highly-reflective materials – such as glass and concrete – have become very common thereby increasing the need for alternative, yet efficient, room acoustic improvement.



Due to the product's ability to absorb sound on both sides, Rockfon Eclipse offers the highest performance in sound absorption and contributes to reducing reverberation time and ambient sound level.

It enables you to reach the optimum level of acoustic comfort, prevents echo and ensures enhanced speech intelligibility.



Performance

- *Top-class fire safety*
- *Suitable for thermal mass applications*
- *100% recyclable*

Respecting indoor climate and the environment

Rockfon Eclipse can be used in thermal mass applications. Floating islands allow air to flow freely within the room drawing stored heating or cooling energy from materials like concrete which will help regulate the indoor temperature naturally.

Thanks to its numerous positive qualities, Rockfon Eclipse fully complies with stringent requirements in terms of protecting the environment. It is fully recyclable and accredited by the Indoor Climate Label.

Furthermore, Rockfon Eclipse – like all Rockfon products – benefits from the performance afforded by stone wool in terms of top-class fire safety, humidity resistance, hygiene, dimensional stability and ease of maintenance.



Installation

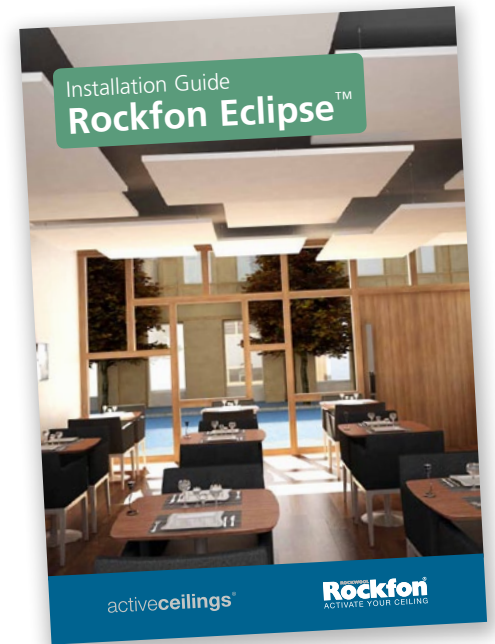
Fast, easy and versatile

Fast and easy to install, Rockfon Eclipse is a very competitive and versatile island solution. It can be fixed below different kinds of structures (concrete, wood, steel) using the Rockfon spiral anchors and the Rockfon Eclipse suspension system (as a standard, the Rockfon Eclipse suspension system is sold with a concrete fixing anchor).

When retrofitting, it can be installed below an existing modular ceiling or below a gypsum ceiling using special accessories (refer to Rockfon Eclipse installation guide).



- Full system
- Installation made easy
- An option for each situation

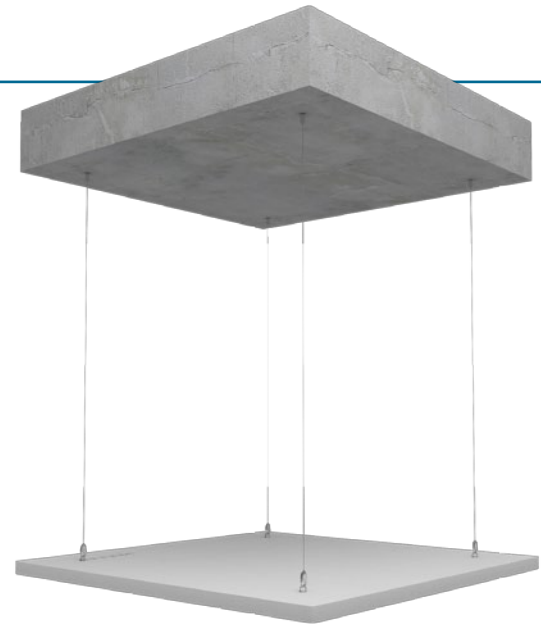


Characteristics

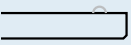
System description and performance

Rockfon Eclipse is an acoustic island made of a 40 mm stone wool panel. The visible side is covered with a painted fleece which provides a pleasing, smooth white surface.

The reverse side of the island is covered with a white acoustic fleece providing excellent light and heat reflection. The edges are painted.



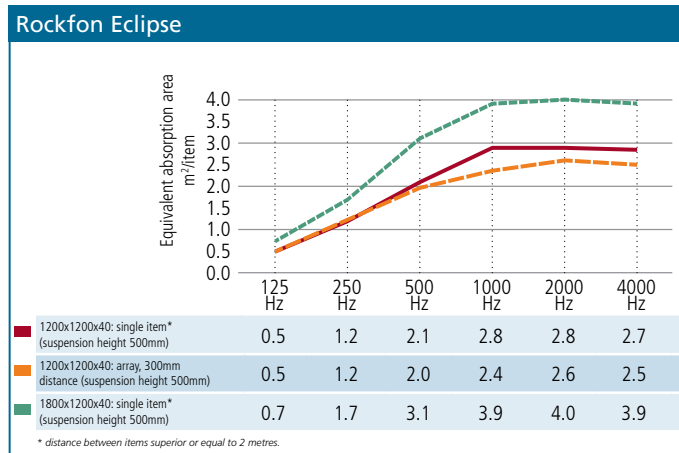
ASSORTMENT

Edge type	Dimensions (mm)	Units/box	Weight (kg/unit)
	1200 x 1200 x 40	4	9.0
	1800 x 1200 x 40	4	13.0



SOUND ABSORPTION

Sound absorption has been measured in accordance with ISO 354. The sound absorption properties of items such as islands or baffles are quantified by the equivalent sound absorption area expressed as m² per item. This is the area of a 100% absorbing surface which would absorb the same amount of sound as the item in question.



FIRE PERFORMANCE

General: Rockfon products have a core of stone wool. Stone wool is non-combustible with a melting point of more than 1000°C.

Reaction to fire: Class A1 in accordance with EN 13501-1.



HUMIDITY RESISTANCE AND DIMENSIONAL STABILITY (FLEXURAL TENSILE STRENGTH)

Rockfon Eclipse is dimensionally stable even at humidity levels of up to 100% RH and can be installed at all temperatures ranging from 0°C to 40°C. No acclimatisation is necessary. Rockfon Eclipse is classified as class 2/C/0N in accordance with BS EN 13964.

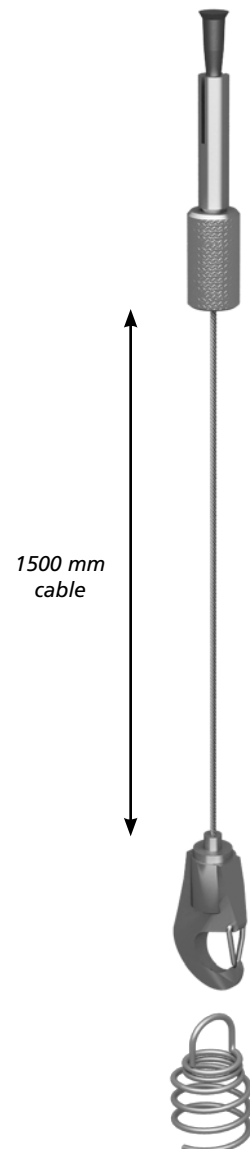
Corrosion resistance: The spiral anchors used to fix Rockfon Eclipse consist of stainless steel type 1.4401 (grade 316) which offers an extra high resistance to corrosion under normal conditions and are suitable for application in class C3 areas (EN-ISO 12944-2). This type of stainless steel is typically used in food processing or brewery equipment, chemical and petrochemical industries, laboratory equipment and medical implants. Rockfon Eclipse should not be used in swimming pools or outdoors.



LIGHT REFLECTION

White: 86% diffuse light reflection in accordance with ISO 7724-2. The rear side of the island is white in order to guarantee optimal light (79% in accordance with ISO 7724-2) and heat reflection.

Rockfon Eclipse suspension system



Rockfon spiral anchor

ACTIVATE YOUR CEILING

Rockfon® develop intelligent ceiling solutions which actively address a number of important issues in modern buildings and renovation projects.

Rockfon products are known for their design, aesthetics and ease of installation; coupled with the key performance features of superior fire resistance and acoustics.

This ensures that our ceiling solutions are among the highest performing, most cost effective and time efficient in today's interiors market.

The comprehensive ceiling solution portfolio from Rockfon ensures that our customers are able to actively add value to the construction process, by ultimately creating superior interior environments.

That is why we say "ACTIVATE YOUR CEILING".

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