



Rockfon Eclipse™

Acoustic islands: a whole new dimension.

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Rockfon Eclipse is an innovative acoustic island which offers new opportunities for correcting acoustics while bringing a whole new aesthetical dimension to the room. It can be used alone when a traditional suspended ceiling cannot be used (glass roof, historical buildings...) or as a complement to an existing ceiling for retrofitting purposes.

Frameless, trendy and stylish, Rockfon Eclipse is available in various of shapes in order to bring a solution to any kind of room configuration. The square and rectangular shapes feature a sharp edge underlined by a subtle and elegant bevel. All other shapes come with a minimalistic straight edge. Its smooth white surface is very long-lasting and ensures a perfect energy-saving reflection of light and heat. Suspension accessories were also developed with design in mind. Modern and very discreet, they give the impression that the islands are floating in mid-air.

Just like every other ROCKFON solution, Rockfon Eclipse offers the highest performance in sound absorption and contributes to reducing reverberation time and ambient sound level. Rockfon Eclipse therefore enables rooms to reach the optimal level of acoustic comfort. Sound absorption is optimised thanks to the islands absorbing on both sides. Rockfon Eclipse also enables acoustic correction in premises using thermal mass by enabling the air to flow freely in the room.

Rockfon Eclipse is made of stone wool and therefore offers excellent performance in regards to fire safety and humidity resistance and fully complies with stringent environmental protection requirements. It is recyclable and has been awarded the Danish Indoor Climate Label.

Fast and easy to install, Rockfon Eclipse is a very competitive island solution.

Product description:

Rockfon Eclipse is an acoustic island made of a 40mm thick stone wool panel. The visible side is covered with a painted glass fleece creating a nice smooth white surface. The back side of the island is covered with a white acoustical fleece providing excellent light and heat reflection. The edges are painted.

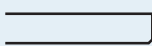

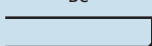

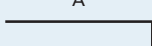

Installation:

The installation of Rockfon Eclipse acoustic islands is easily accomplished using Rockfon spiral anchors and the Rockfon Eclipse suspension system.

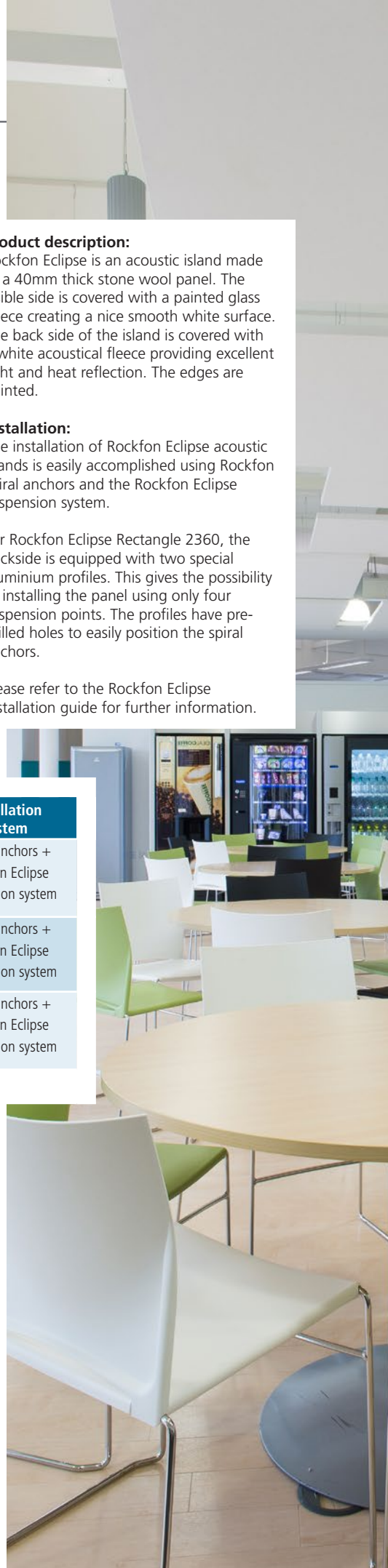
For Rockfon Eclipse Rectangle 2360, the backside is equipped with two special aluminium profiles. This gives the possibility of installing the panel using only four suspension points. The profiles have pre-drilled holes to easily position the spiral anchors.

Please refer to the Rockfon Eclipse installation guide for further information.

ROCKFON ECLIPSE

Edge detail	Shapes	Module size (mm)	Weight (kg/unit)	MS* / MS* easy access (mm)	Installation system
Be 	Square 	1160 x 1160 x 40	9	150	Spiral anchors + Rockfon Eclipse suspension system
Be 	Rectangle 	1760 x 1160 x 40 2360 x 1160 x 40	13 17	150 150	Spiral anchors + Rockfon Eclipse suspension system
A 	Circle 	800 x 800 x 40 1160 x 1160 x 40	3 7	150 150	Spiral anchors + Rockfon Eclipse suspension system

* MS – Minimum Suspension
Contact us for special sizes, lead times and minimum quantities.



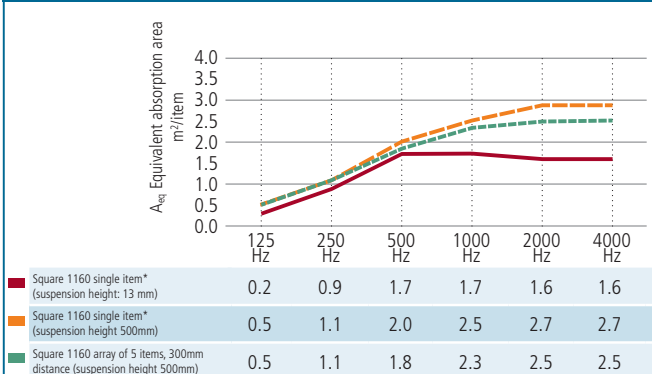
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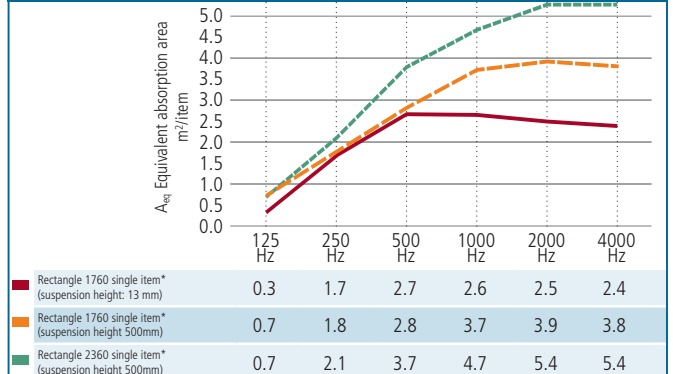
SOUND ABSORPTION

The sound absorption property of islands and baffles is quantified using the equivalent sound absorption area A_{eq} expressed as m^2 per object. The A_{eq} value is measured in accordance with the ISO 354. This is the area of a fictive absorbing surface of $\alpha_w = 1.00$ which would absorb the same amount of sound as the tested island or baffle.

Rockfon Eclipse

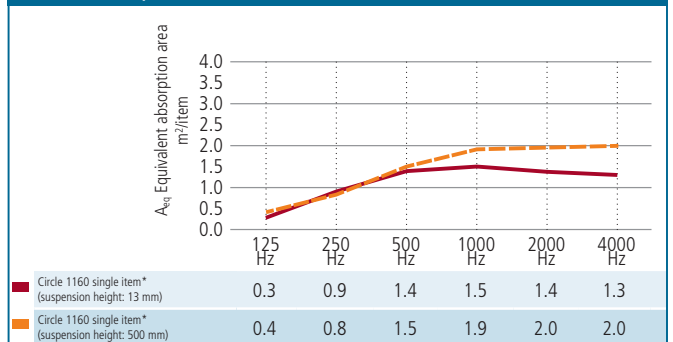


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* Distance between items superior or equal to 2000 mm. More acoustical data available; contact your local ROCKFON technical support.

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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: Rockfon Eclipse: Class A1 in accordance with EN 13501-1. Rockfon Eclipse Rectangle 2360: Class A2-s1,d0 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.

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 equipments, chemical and petrochemical industries, laboratory benches & equipment, 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. Backside: 79% diffuse light reflection in accordance with ISO 7724-2 to guarantee optimal light and heat reflection.



HYGIENE

Stone wool has no nutritional value and therefore it provides no sustenance to harmful micro-organisms.



CLEANING

The surface can be vacuum cleaned with a soft brush attachment.



ENVIRONMENT

A representative selection of ROCKFON products have been awarded the Danish Indoor Climate Label and the Finnish Indoor Climate Label (M1). Rockfon Eclipse is recyclable.

We believe our acoustic ceiling and wall solutions are a fast and simple way to create beautiful, comfortable spaces. Easy to install and durable, they protect people from noise and the spread of fire while making a constructive contribution towards a sustainable future.

Create and protect is what we stand for. It's how we work. It puts people first and promotes good relations. It's about sharing success and maintaining trust.

It's our rock-solid promise to you. Because at ROCKFON, create and protect is what we do – and it's inspired by you.

ROCKFON

(ROCKWOOL A/S)
Hovedgaden 501
DK-2640 Hedehusene
Denmark

Tlf: (+45) 46 56 85 45
Fax: (+45) 46 56 40 30
www.exp.rockfon.com
export@rockfon.com



Local ROCKFON dealer