



Installation Guide

ROCKFON® System Eclipse™

ROCKFON System Eclipse™

GENERAL INFORMATION

System description:

ROCKFON Eclipse is a frameless acoustic island available in square, rectangular and other geometric shapes. The square and rectangular shapes feature a sharp-looking edge underlined by a subtle and elegant bevel. All other shapes have a minimalistic straight edge. The visible side is covered with a painted fleece which provides an aesthetically pleasing, smooth matt white surface. The reverse side of the island is covered with a white acoustic fleece. Additionally, ROCKFON Eclipse Rectangle 2360 has two special white aluminum profiles integrated to the rear of the panel. The edges are painted.

Storage and handling:

Boxes should be handled with care by two people. Boxes should be stored in a flat, horizontal position. Each box contains a pair of gloves that should be worn when handling ROCKFON Eclipse islands.

We recommend the use of clean nitrile or PU coated gloves when installing ROCKFON tiles in order to avoid fingerprint marking on the surface.

For an optimum work environment, we recommend installers always observe common work practices and follow installation advice as shown on our packaging.





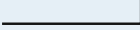









Site conditions:

ROCKFON Eclipse does not require acclimatisation. Stone wool is dimensionally stable. The product can be installed in temperatures between 0°C and 40°C and under humidity conditions of up to 100%.

Restrictions:

ROCKFON Eclipse should not be used in swimming pool facilities or outdoors because of risk of corrosion to the suspension accessories.

ASSORTMENT

Edge type	Shapes	Dimensions (mm)	Weight (kg/unit)	MS* / MS* easy access (mm)	Installation System
Be 	Square 	1160 x 1160 x 40	9.0	150**	ROCKFON System Eclipse Be Island
Be 	Rectangle 	1760 x 1160 x 40 2360 x 1160 x 40***	13.0 17.0	150** 150**	ROCKFON System Eclipse Be Island
A 	Circle 	800 x 800 x 40 1160 x 1160 x 40	3.0 7.0	150** 150**	ROCKFON System Eclipse Be Island
A 	Triangle 	1160 x 1160 x 40	4.0	150**	ROCKFON System Eclipse Be Island
A 	Hexagon 	1160 x 1160 x 40	6.0	150**	ROCKFON System Eclipse Be Island
A 	Oval 	1760 x 1160 x 40	10.0	150**	ROCKFON System Eclipse Be Island
A 	Random 	1760 x 1160 x 40	9.0	150**	ROCKFON System Eclipse Be Island

*MS – Minimum Suspension

**Size 2360 x 1160 x 40 is only available in special colours on one side

Contact us for special shapes, colours, sizes, lead times and minimum quantities.

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ROCKFON Eclipse can be suspended with a suspension set comprising an adjustable metal wire and several accessories. Once assembled, the wire is attached to the island with the use of a spiral anchor.

Spiral anchors

Units/box	Weight (kg/box)
100	1.2

Diameter: Ø 22 mm

Length: 48 mm ±1

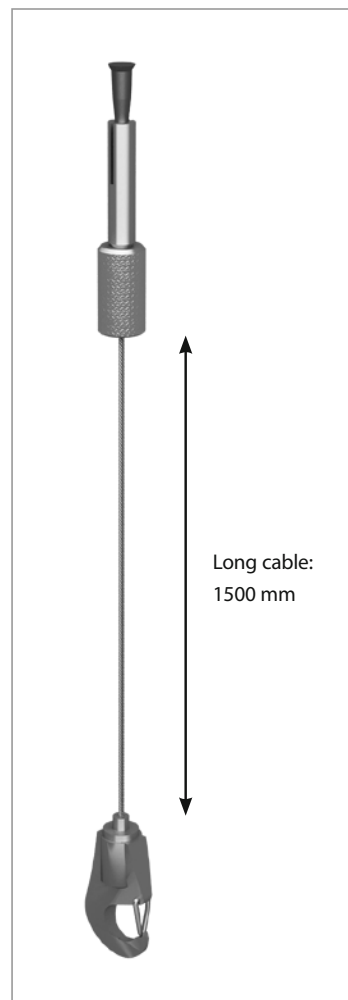
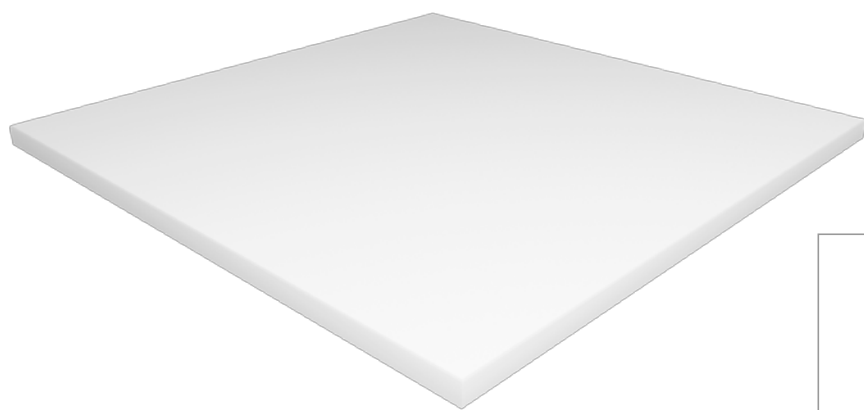
Visible: 12.5 mm

ROCKFON Eclipse suspension system

Units/box	Weight (kg/box)
4 sets of 4	1.0
4 sets of 6	1.4

ROCKFON Eclipse suspension systems are supplied with a concrete fixing. If a different fixing is required, the concrete fixing anchor can be replaced by a fixing compatible with an M6 screw thread (eg. wood screw, track clips, etc...).

Spiral anchors and suspension systems are sold separately. ROCKFON guarantees the installation of ROCKFON Eclipse only if it is installed with ROCKFON spiral anchors.



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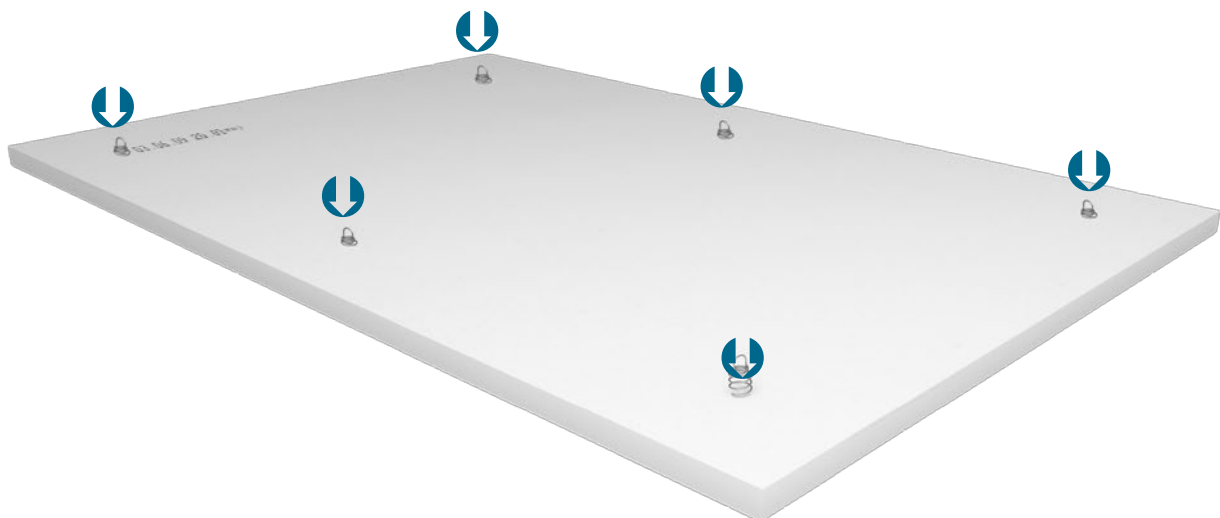
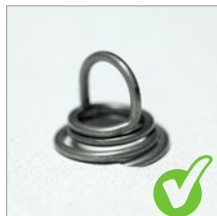
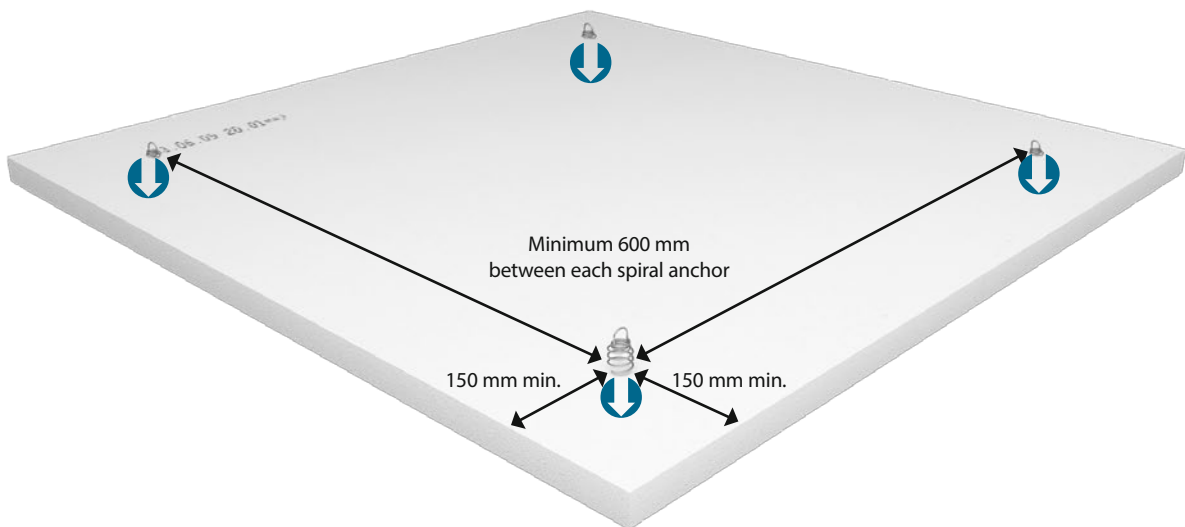
INSTALLATION GUIDELINES

General information:

ROCKFON Eclipse islands require two people to handle boxes and individual islands with care in order to minimise risk of damage and make installation easier and faster.

Fixing spiral anchors to the island:

Spiral anchors need to be screwed vertically into the back of the island at a minimum distance of 150mm from the perimeter. Minimum distance between spiral anchors should be 600mm. The maximum load per spiral anchor is 5kg. Four spiral anchors are required for a 1160 x 1160mm island. In the case of 1760 x 1160mm islands, six suspension points are required and should be distributed evenly.

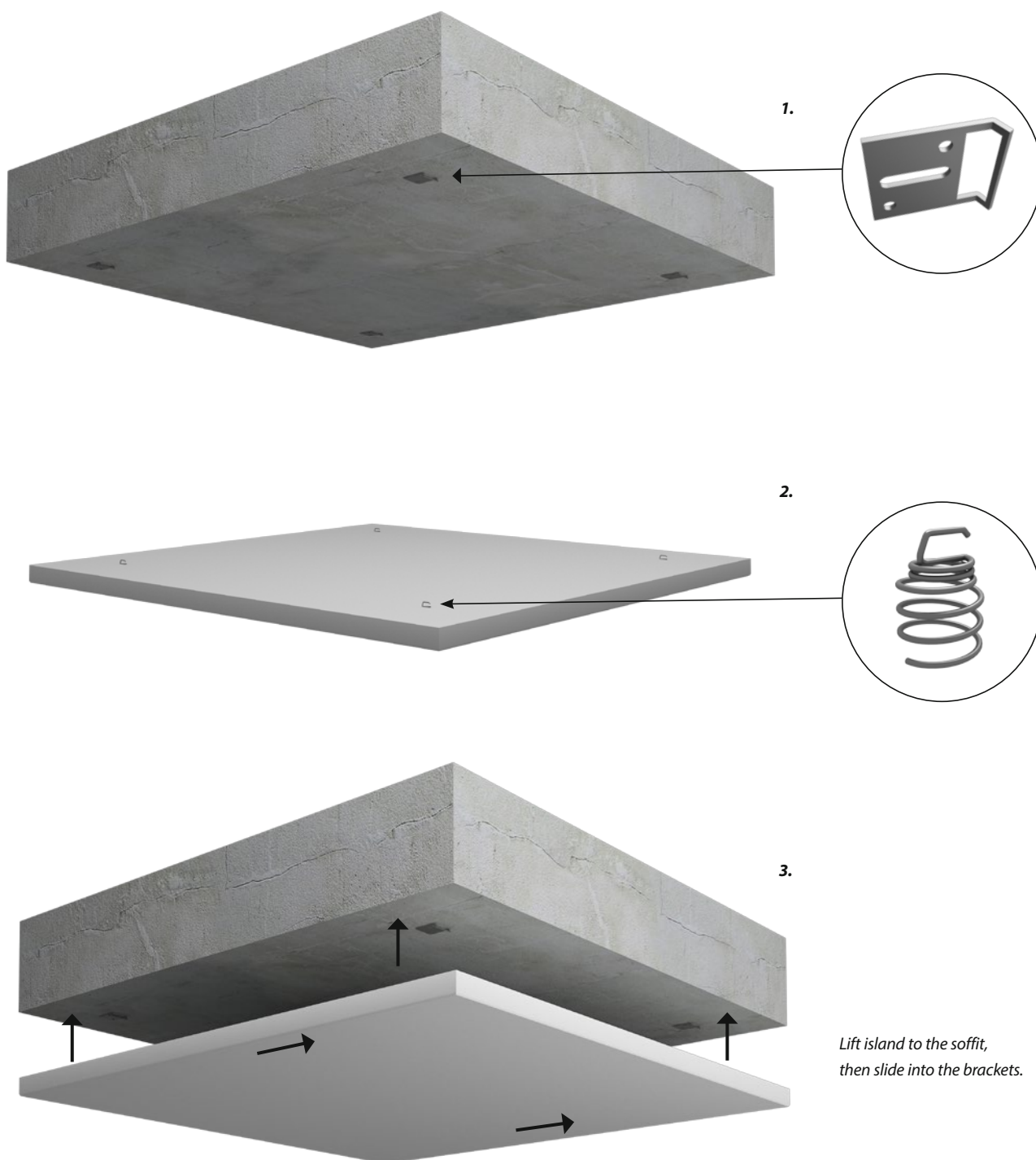


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Installing ROCKFON Eclipse direct on to the concrete soffit:

It is possible to fix ROCKFON Eclipse direct on to the concrete soffit by using the ROCKFON Eclipse suspension set Shallow.

The space between the island and the concrete soffit will be approximately 1,5cm.



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ROCKFON Eclipse Rectangle 2360:

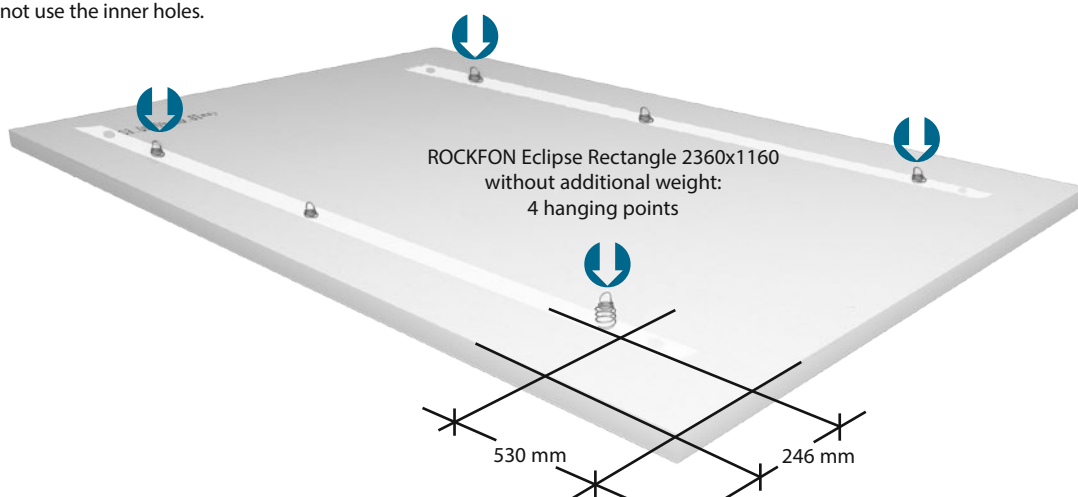
ROCKFON Eclipse Rectangle 2360 is manufactured with two aluminum profiles integrated into the back of the island. Both profiles are provided with five holes where a spiral anchor can be placed. The position of the spiral anchors is dependent on the installation method (described below), but for safety reasons at least six spiral anchors are required in all situations.



Note: When installing any ROCKFON Eclipse islands at an angle, other than horizontal, ensure the weight is distributed evenly across all suspension points. The use of an installation table can be very helpful.

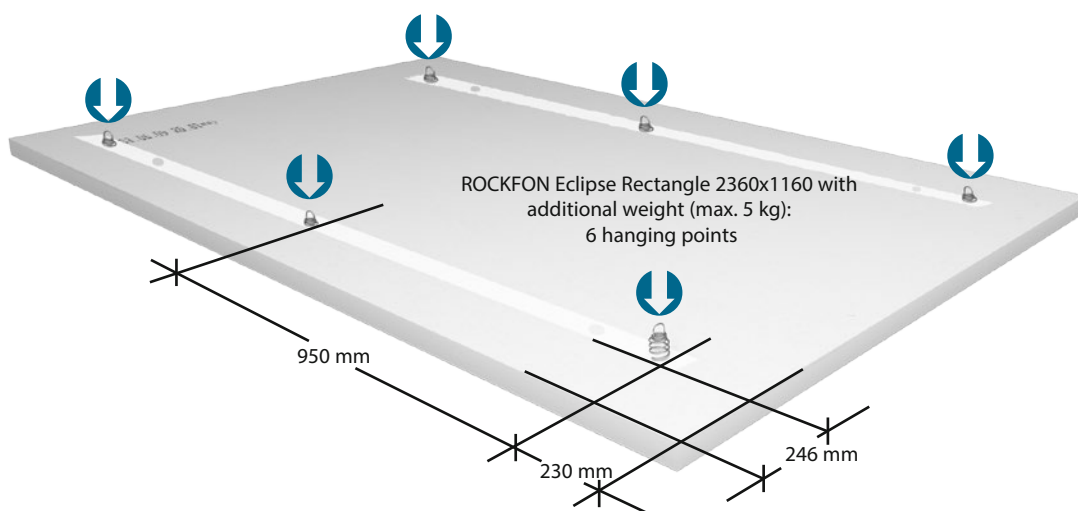
Installation method 1:

When no additional weight is being supported by the island, it can be installed by using only four suspension wires (although six spiral anchors MUST BE screwed into the island). Do not use the inner holes.



Installation method 2:

When additional weight is being supported by the island (max. 5kg), it needs to be installed by using six hanging points. Use the outer holes.

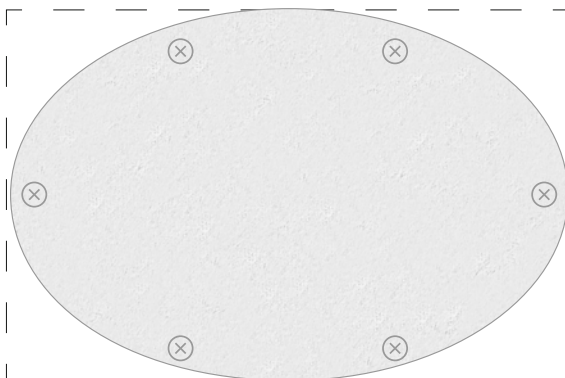
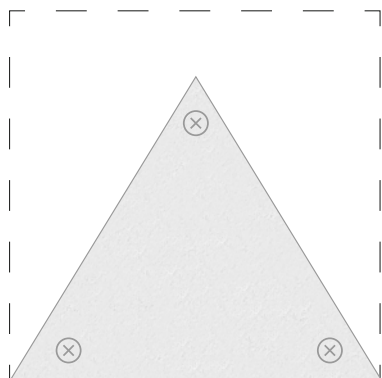
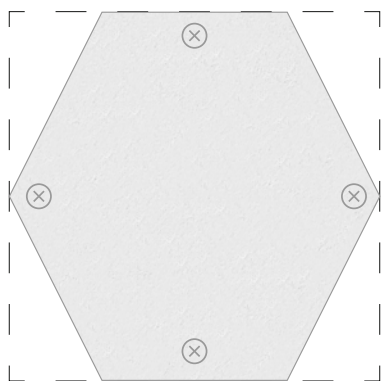
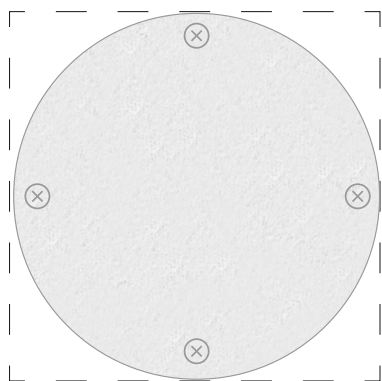


When a light fixture or beam light is installed (max. 5kg), all six suspension points must be used.

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Shapes:

The suspension sets should be distributed symmetrically as indicated below and at a minimum 100-150mm distance from the perimeter.



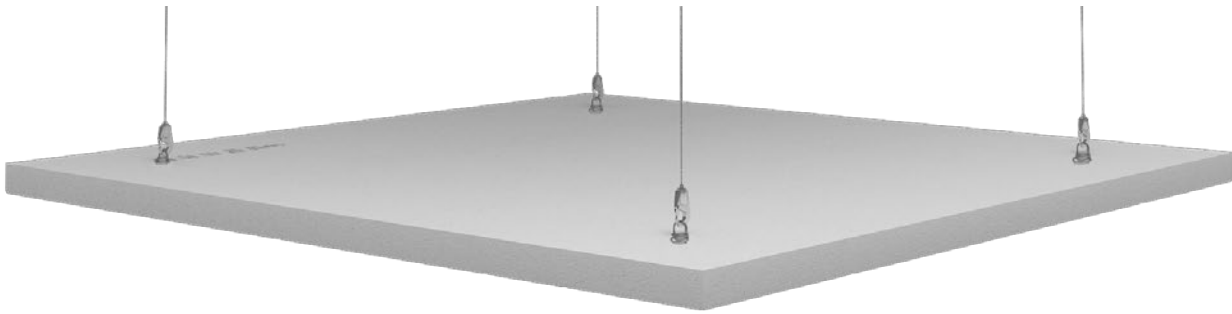
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Assembling suspension systems and ROCKFON Eclipse islands:

Ensure that the supporting structure is solid and has a load bearing capacity of at least 25kg. When fixing to a concrete structure, drill a hole 30mm deep with a 6mm diameter drill bit. Protect the M6 thread on the top fixing dowel before tapping it into the drilled hole. Before proceeding with the installation, check that the dowel has expanded properly. At this stage, only the thread should be visible. Attach the wire to the soffit fixing points. Slide the wire into the hook. The system locks automatically for maximum safety. Attach the hooks to all of the spiral anchors. Ensure all hooks are attached before raising the island, using two people, to the required height in order to prevent that the island is only attached to one or two hooks.

The maximum load per wire to the top fixing is 5kg, and the minimum installation depth should be 150mm.

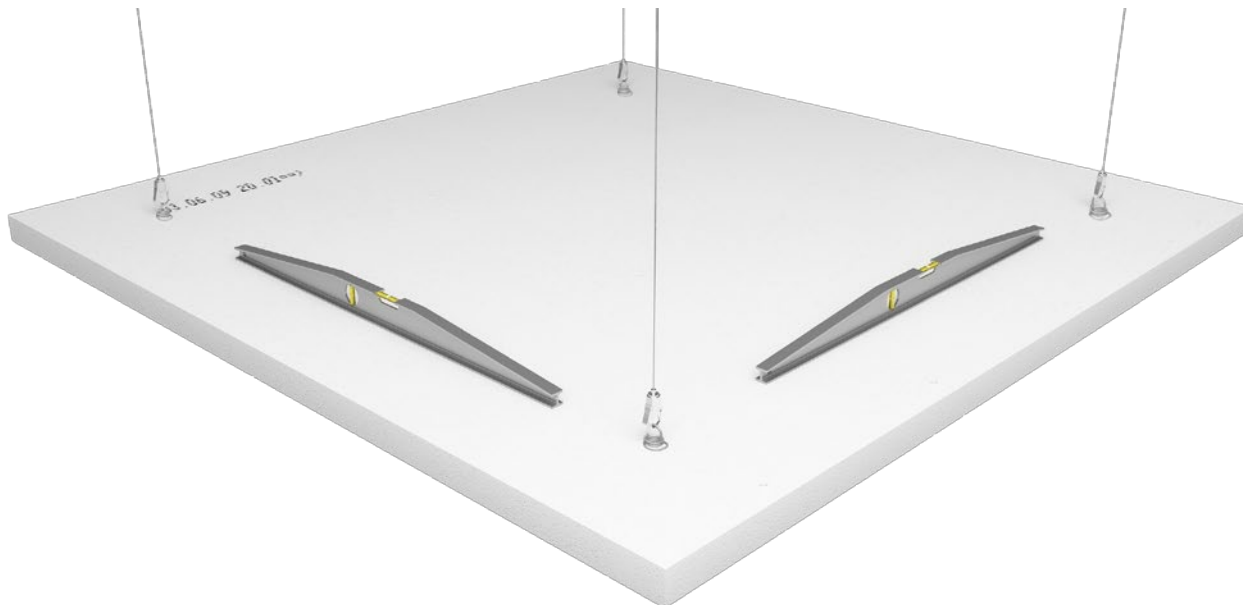
Connection of ROCKFON Eclipse suspension system to the structure (eg. concrete soffit):



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Leveling:

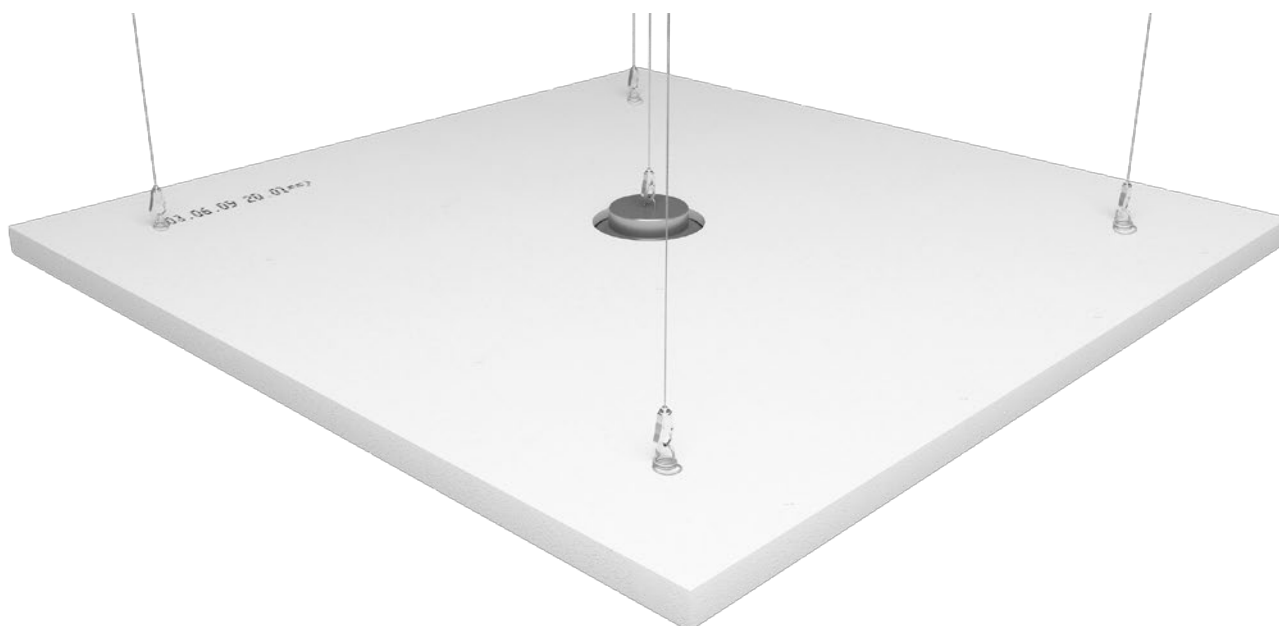
Adjust the level by using a spirit level. Always make sure that the island is attached on all points so that its weight is evenly distributed. ROCKFON Eclipse can also be installed at an angle of maximum 45°.



If lighting needs to be installed, it can be done at this stage. The fixing of lighting must be independent. ROCKFON Eclipse islands should not support any additional material or fittings. The exception to this rule is described on page 6 for the ROCKFON Eclipse Rectangle 2360.

ROCKFON Eclipse Rectangle 2360:

When a light fixture or beam light is installed (max. 5kg), all six suspension points should be used (see page 5).

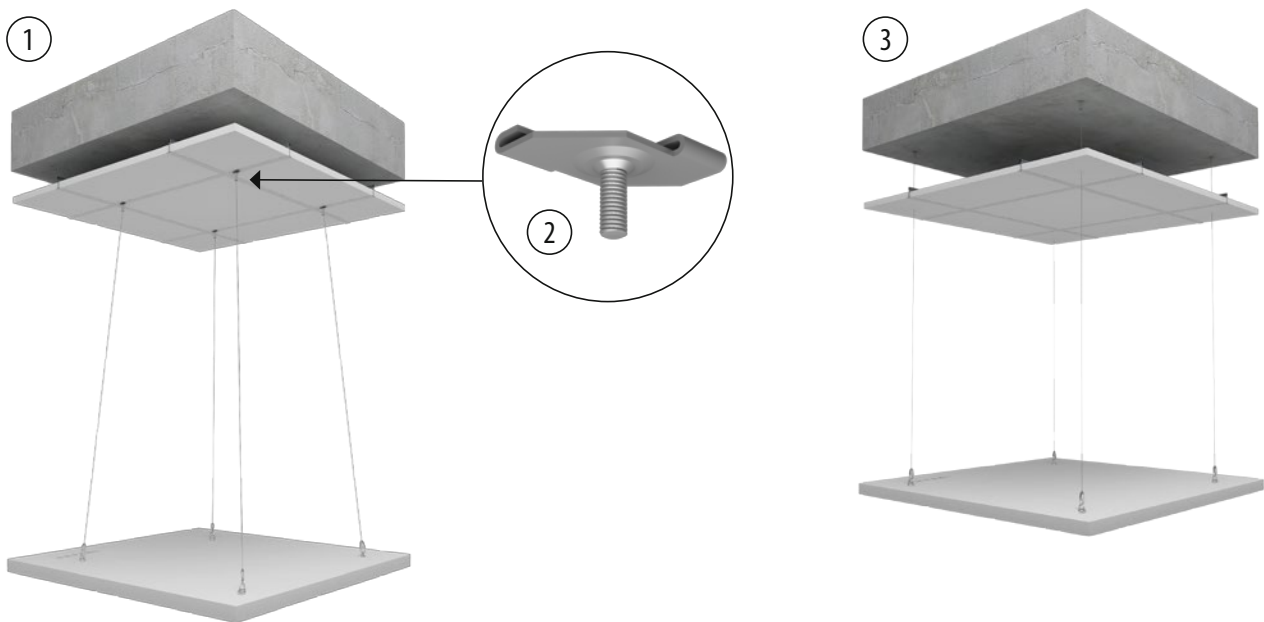


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Installing ROCKFON Eclipse below an existing suspended ceiling:

It is possible to fix ROCKFON Eclipse to existing T24 grids (see illustration N°1) by using standard accessories (see illustration N°2). e.g. ROCKFON CMC ref: 10801 & 10520, Check to ensure the grid can support the load of the ROCKFON Eclipse island and with the supplier of the accessory to ensure the fixing clip can support a load of 5kg.

It is also possible to install ROCKFON Eclipse below a suspended ceiling by having the wires pass through the ceiling tiles and fixing the suspension system to the structure (eg. concrete soffit) as in illustration N°3.

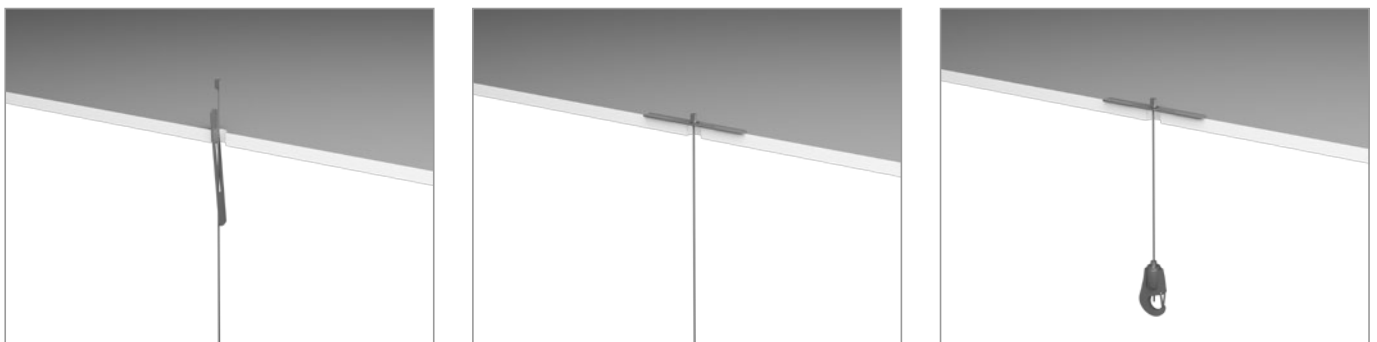


Installing ROCKFON Eclipse below an existing gypsum ceiling:

Using a plate:

Check with the plate supplier to ensure it can support a load of 5kg per suspension point.

Drill into the gypsum board. Slide the cable stopper into the plate. Slide the plate into the board and let the plate rest flat on top of board.

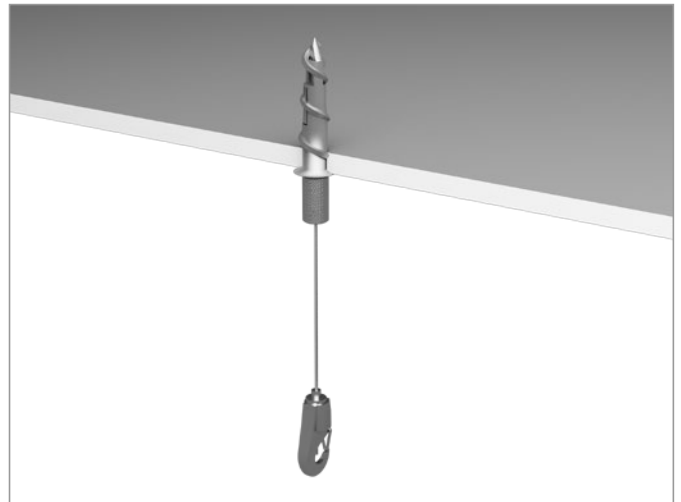
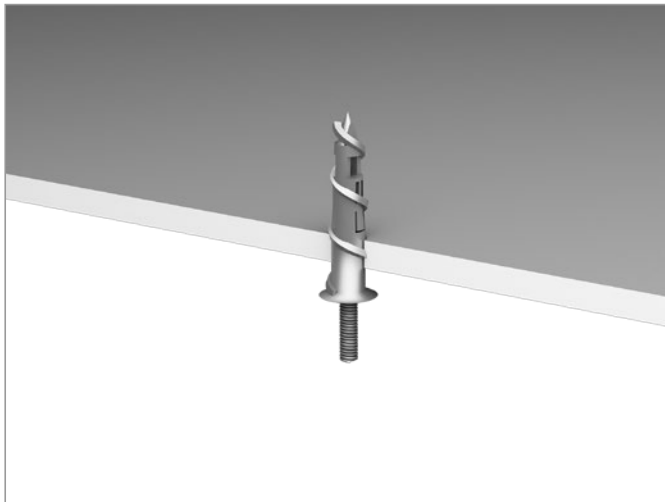


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Using a gypsum plug:

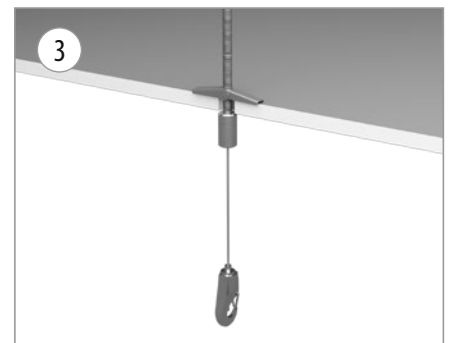
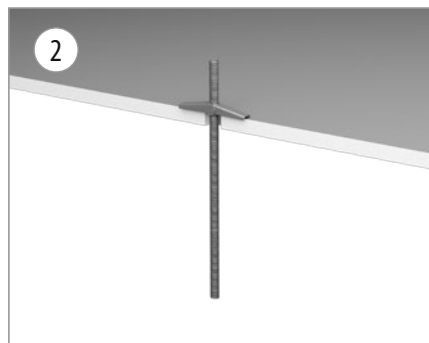
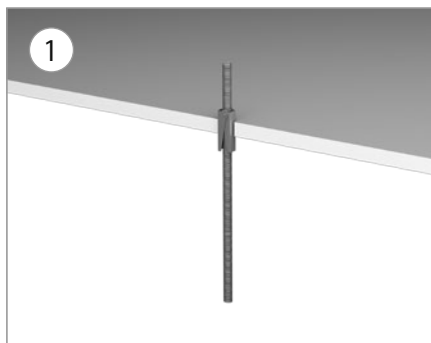
Check with the gypsum plug supplier to ensure it can support a load of 5kg. Screw the gypsum plug with M6 thread connection into the gypsum board.

Fix the ROCKFON Eclipse suspension system to the M6 connection.



Using a spring toggle:

- 1) Check with the spring toggle supplier to ensure it can support a load of 5kg. Drill into the gypsum board. Screw the M6 threaded rod into the spring toggle. Insert into the gypsum board.
- 2) Once the spring toggle passes through the other side of the gypsum board, it opens out and holds the threaded rod in place.
- 3) Screw the ROCKFON Eclipse suspension system into the M6 threaded rod.



We believe our acoustic stone wool and metal solutions for ceilings and walls are a fast and simple way to create beautiful, comfortable and safe spaces.

Easy to install and durable, they protect people from noise and the spread of fire. They are our way of making a constructive contribution towards a sustainable future.

Create and Protect is what drives us. It means putting people first, sharing success and maintaining trust.

It's our rock-solid promise to you. At ROCKFON, Create and Protect is what we do - and it's inspired by you.

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