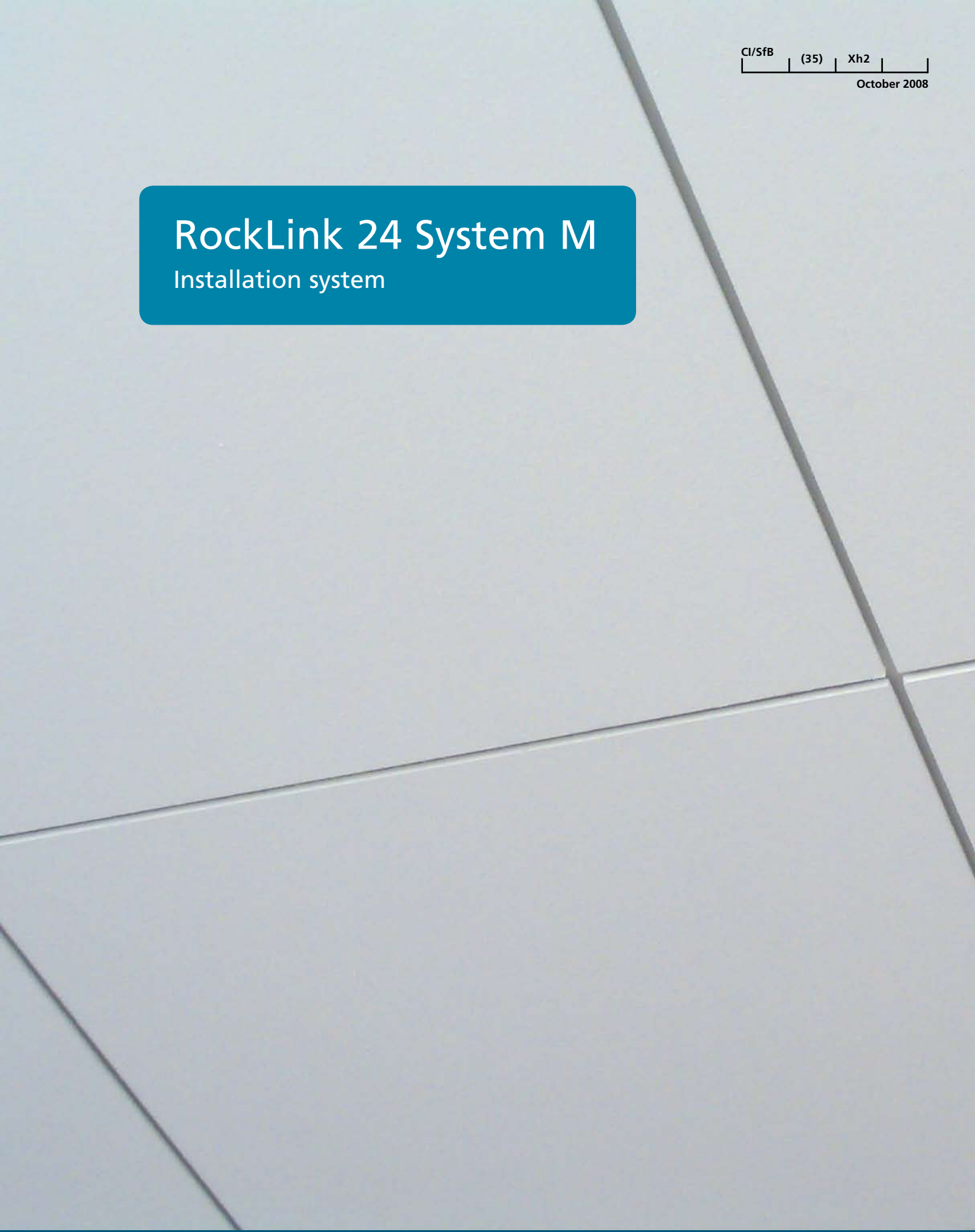
CI/SfB (35) Xh2
October 2008

RockLink 24 System M

Installation system



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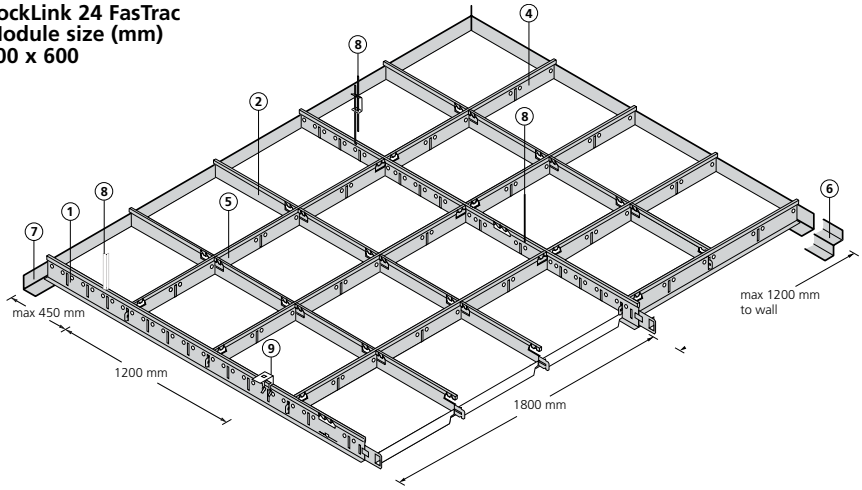
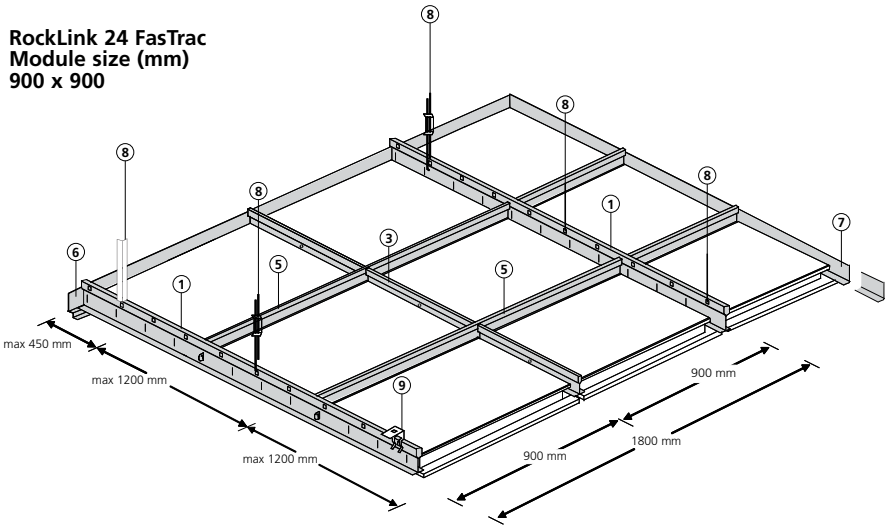
RockLink 24 System M

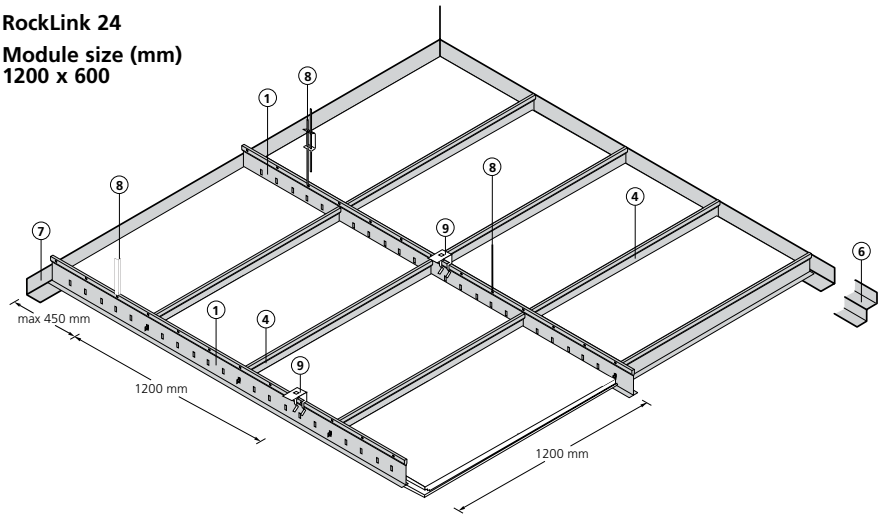
RockLink 24 FasTrac
Module size (mm)
600 x 600



RockLink 24 FasTrac
Module size (mm)
900 x 900



RockLink 24
Module size (mm)
1200 x 600



Rockfon tiles with M-edge can be installed in RockLink 24 and RockLink 24 FasTrac Systems. Certain module sizes are limited to RockLink 24 whilst others have the benefit of the RockLink 24 FasTrac option.

The following ceiling tile module sizes (mm) can be used with RockLink 24 FasTrac:
600 x 600
900 x 900.

When installing RockLink 24 FasTrac, the main runners should be positioned at 1800 mm centres.

RockLink 24 FasTrac is characterised by quick installation time due to the lower number of main rummers, hangers and top fixings necessary when compared to other systems.

This system also provides easy access to services due to the lower number of hangers.

RockLink 24 FasTrac should only be used with Rockfon ceiling tiles with the following maximum weight/module sizes:

Max. tile weight (kg/m²)		Module size (mm)	Installation system
20 mm	**25 mm**		
3.5		600 x 600	RockLink 24 FasTrac
	4.2	900 x 900	RockLink 24 FasTrac

The following ceiling tile module size (mm) can be installed using RockLink 24: 1200 x 600

When installing RockLink 24, the main runners should be positioned at 1200 mm centres.

RockLink 24 should only be used with Rockfon ceiling tiles with the following maximum weight/module size:

Max. tile weight (kg/m²)	Module size (mm)	Installation system
3.5	1200 x 600	RockLink 24

Minimum installation depth & system loading capacity

Description
RockLink 24 System M is the installation system that comprises the many variations of RockLink 24 grid and Rockfon Sonar tiles with the M semi-concealed/demountable edge. The completed installation provides an attractive and functional ceiling with excellent access possibilities.

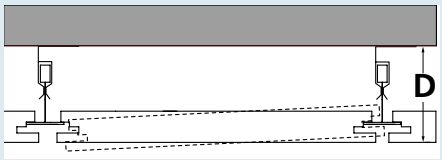
RockLink 24 and RockLink 24 FasTrac are 24 mm wide exposed grid systems made from galvanised steel with a smooth white* surface. They consist of main runners, cross trees (available in several lengths), perimeter trims, hangers and an extensive range of accessories.

RockLink 24 and RockLink 24 FasTrac can be either suspended or directly fastened to the soffit using a variety of hangers.

* Other colours are available to order.

System loading capacity		
Max. evenly distributed load (kg/m²)		
Module size (mm)	**RockLink 24 FasTrac (hanger centres 1200 mm)**	**RockLink 24 (hanger centres 1200 mm)**
600 x 600	4.7	13.3
1200 x 600		13.3
900 x 900	4.2	16.0

For further information on system loading capacities, please contact Rockfon.

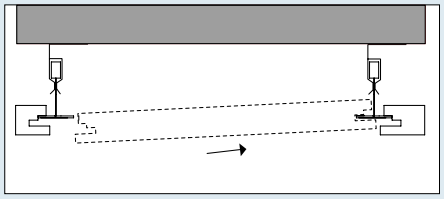


Minimum installation depth for easy tile installation and demountability (D).

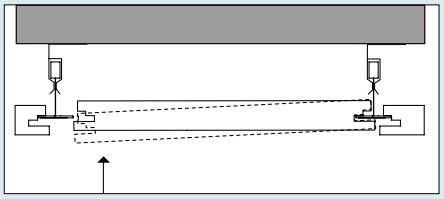
Minimum ceiling installation depth when using direct hangers is 62 mm.

Minimum installation depth		
Tile thickness (mm)	**Module size (mm)**	**D (mm)**
20	600 x 600	62
20	1200 x 600	
25	900 x 900	

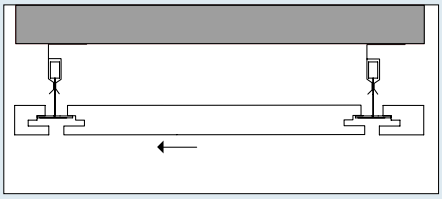
Tile installation



1) Insert the M-edge tile onto the grid until it can go no further.

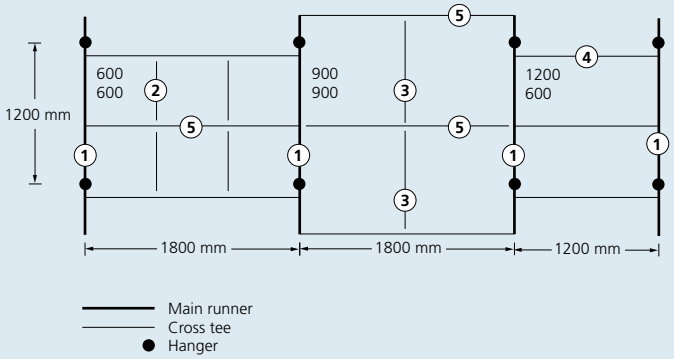


2) Lift up the other side of the M-edge tile until it is at the level of the grid table.



3) Push the M-edge tile to the left and centralise it into position.

Grid layout & system components

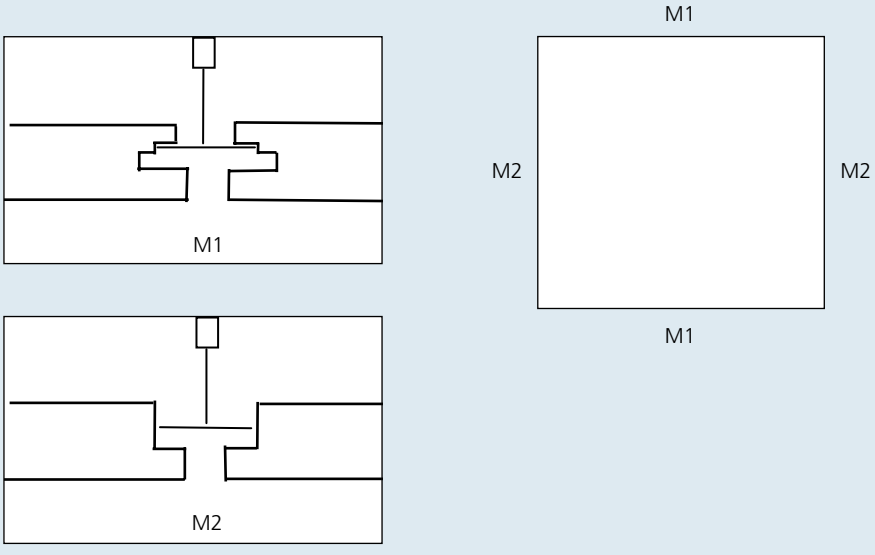


System components and consumption guide											
Quantity/m²	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪
Main runners positioned at 1200 mm centres. Suspension hangers positioned at 1200 mm centres. Hook over:	Main runner L:3600 mm	Cross tee L:600 mm	Cross tee L:900 mm	Cross tee L:1200 mm	Cross tee L:1800 mm	Shadow moulding L:3050 mm	Perimeter angle trim L:3050 mm	Suspension hanger	Direct hanger	Edge clips height: 5 mm for use with 20 mm thick tiles	Edge clips height: 9 mm for use with 25 mm thick tiles
Reference	850-30-001	852-30-001	853-30-001	854-30-001	856-30-001	1466-001	1438-001		21.5(50) 21.8(80) 21.1(100)		
Module size (mm)											
600 x 600	0.56 lm	1.12 lm			1.68 lm	1)	1)	0.47 pcs	0.47 pcs	1)	1)
1200 x 600	0.84 lm			1.68 lm		1)	1)	0.70 pcs	0.70 pcs	1)	1)
900 x 900	0.56 lm		0.56 lm		1.12 lm	1)	1)	0.47 pcs	0.47 pcs	1)	1)

1) Consumption according to room size

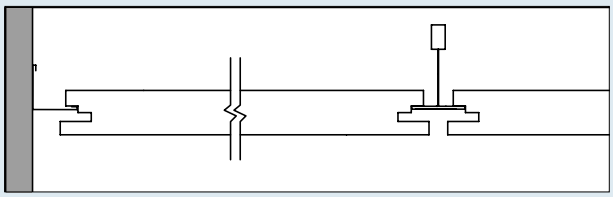
Edge orientation

Rockfon M-edge tiles have M1 and M2 edges on adjacent sides.

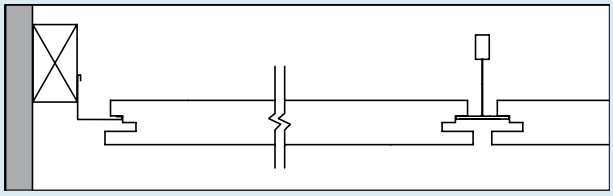


Perimeter finish options

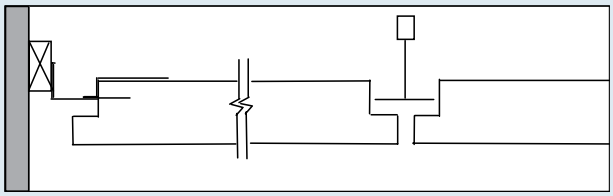
See below some options for perimeter finishing. Where edge clips are specified, min. 2 x M-edge clips should be fitted per 600 mm or 900 mm side.



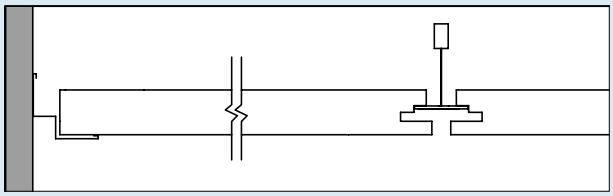
1. *Angle trim*



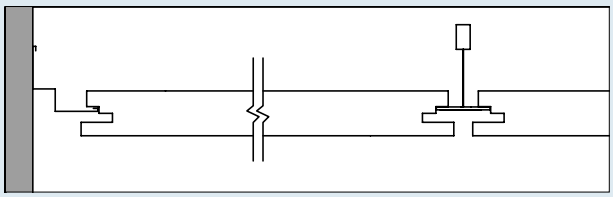
2. *Shadow batten and angle trim*



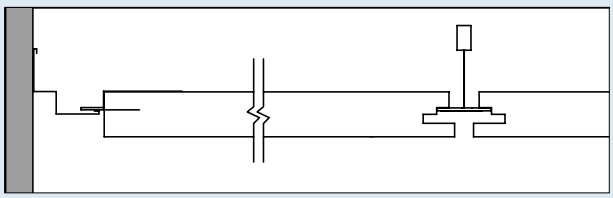
3. *Shadow batten, angle trim and edge clips*



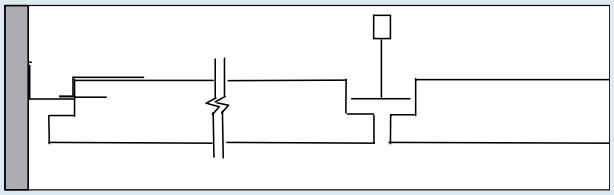
4. *Shadow moulding with A-edge*



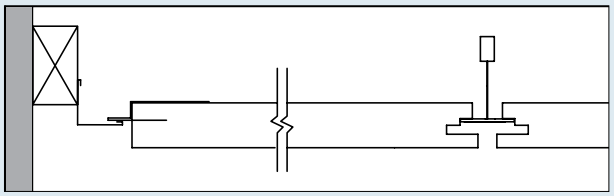
5. *Shadow moulding with full size tiles*



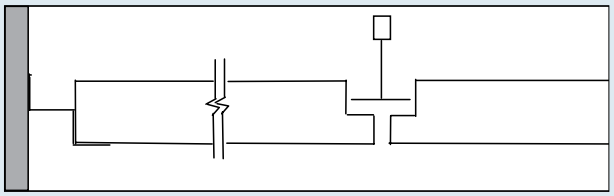
6. *Shadow moulding with A-edge and edge clips*



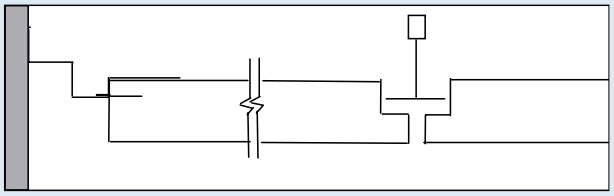
7. *Angle trim with edge clips*



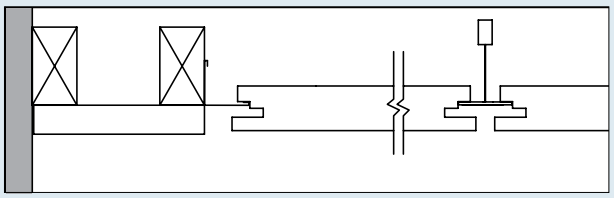
8. *Shadow batten, angle trim and edge clips*



9. *Shadow moulding with A-edge*



10. *Shadow moulding with A-edge and edge clips*



11. *Angle trim on MF plasterboard border with M-edge full size tiles*

Service integration

A variety of service installations and lights can be easily integrated into this system.

Service installations should not be supported on the ceiling tile alone. Service loads should always be adequately spread on the back of the tile or transferred to the grid system using appropriate support arms or yokes. Alternatively, the service should be independently installed.

See www.rockfon.co.uk for further information.

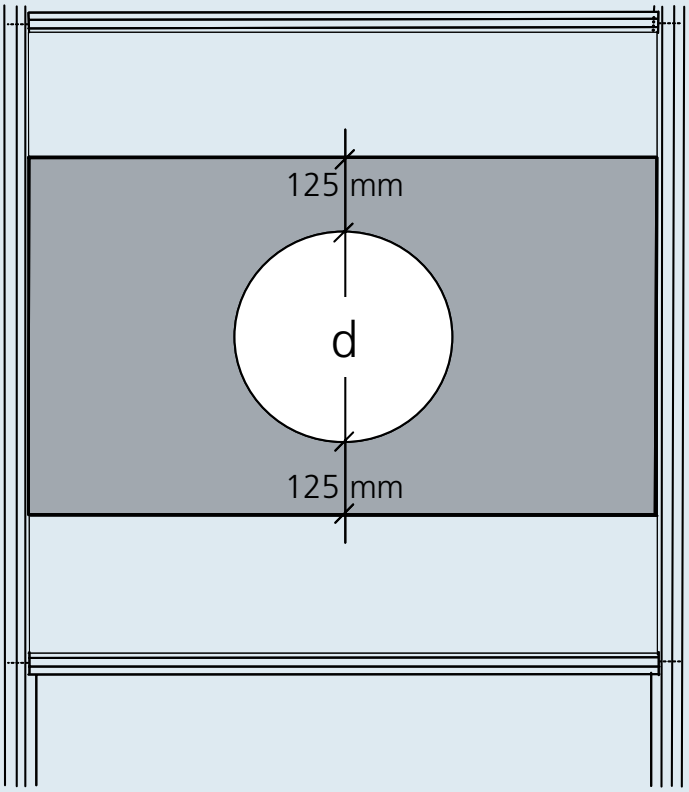
Integrated service installations may require additional support, depending on the unit weight, tile module size and the object's position in the grid system. Rockfon Technical Support can always be contacted for advice.

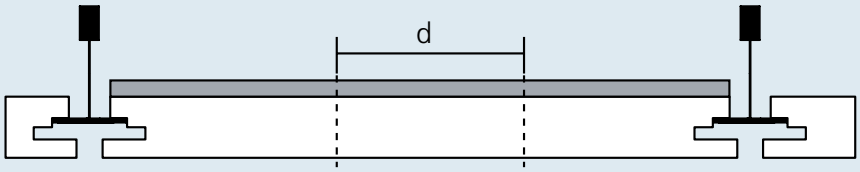
The yoke/patress should be the same length as the back of the Rockfon tile measured in the support direction and be minimum 2 x 125 mm wider than the hole required for the service installation. This applies to integrated service installations with diameters up to 340 mm.

Tile size 600 x 600 x 20 mm and 1200 x 600 x 20 mm
Diameters of more than 340 mm – the yoke should fill the entire back of the Rockfon tile.

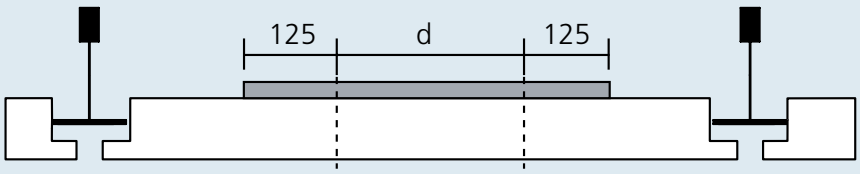
Total weight of tile, patress and service item should not exeed 6 kg.

Tile size 900 x 900 x 25 mm
The service item should be independently supported or additional hangers should be placed on the grid components around the service item.





Supporting direction



Non supporting direction

Installation guide

Perimeter finishing

Junction between ceiling and wall or other vertical surface
The perimeter trim should be fastened to vertical surfaces at the required level using appropriate fixings at nominal 450 mm centres. Ensure that butt joints between adjoining lenghts of trim are neat and that the trim is free from kinks and remains true and level. For the best aesthetic, use as long a length of trim as possible. The minimum recommended cut lenght is 300 mm.

Junction between ceiling and curved vertical surface
The use of a preformed curved perimeter trim is the most appropriate method. This should be installed as described above. Rockfon can provide details of curved perimeter trims on request.

Corners
Prefabricated corners are available for steel profiles, both internal and external ones, ready to fit. Corners can also be cut corners onsite. The corner joints should be neatly mitred. Overlapping is acceptable for installation of metal profiles.

Main grid

Unless specified otherwise, the ceiling should be set out symmetrically so that the ceiling tiles are the same size on parallel sides. The perimeter tiles should be minimum 200 mm wide. Hangers should be securely fastened to the sofit at 1200 mm centres.

RockLink 24 FasTrac
The main runners should be positioned at 1800 mm centres and levelled at the appropriate ceiling height. Main runner joints should be staggered and there should be a hanger positioned within 150 mm of the fire expansion point and within 450 mm of the ene fo the main runner where it terminates at a perimeter. Additional hangers may be necessary to support the weight of ceiling services. When using direct hangers, a fixing nail should be used to lock the hanger on to the bulb of the main runner.

RockLink 24
The main runners should be positioned at 1200 mm centres and levelled at the appropriate ceiling height. Main runner joints should be staggered and there should be a hanger positioned within 150 mm of the fire expansion point and within 450 mm of the end of the main runner where it terminates at a perimeter.

Additional hangers may be necessary to support the weight of ceiling services.

When using direct hangers, a fixing nail should be used to lock the hanger on to the bulb of the main runner.

600 x 600 mm module
Fit 1800 mm cross tees between the main runners at 600 mm centres, intersect with 600 mm cross tees at 600 mm centres parallel to the main runner.

1200 x 600 mm module
Fit main runners at 1200 mm centres. Fit 1200 mm cross tees between the main runners at 600 mm centres. Hangers at 1200 mm centers.

900 x 900 mm module
Fit 1800 mm cross tees between the main runners at 900 mm centres, intersect with 900 mm cross tees at 1800 mm centres parallel to the main runner.

Tile installation

The use of cotton gloves is recommended during installation to avoid smudge marks on the tiles.

Rockfon tiles are easy to cut using a sharp knife. Apply Rockfon edge paint to any visible cut edges.

Enhanced Corrosion Resistance (ECR)

This system provides excellent longevity, however it is also available in an enhanced corrosion resistant format for use in harsh environment applications, e.g. swimming pools.

Accessories

Hold down clips
A variety of hold down clips suitable for use with the many Rockfon tiles are available for this system.

In small rooms, entrance areas, staircases and other areas which may be subject to pressure differences between room and ceiling void, It is recommended to "design out" pressure differences and/or use clips to secure the tiles into the grid system.

Hangers
Wire and adjustable rod hangers should be fastened through the holes in the stalk of the main runners. Wire hangers should be passed through the hole and wrapped at least three times around itself. Adjustable rod hangers should be orientated and connected to main runners so that the lower sections of the hangers run in the same direction.

Top fixings
Top fixings are available from many specialist suppliers, it is important to be sure that the top fixings used to support the ceiling are appropriate for the specific soffit and that they provide adequate pull out strength when installed.

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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Specification
The ceiling grid system shall be RockLink 24 System M, installed to form a module of
_____ x _____mm.

The main runners shall be suspended from structural soffit using _____ hangers at _____ mm centres.

The perimeter finish shall be perimeter finish option _____.

The ceiling shall be installed in accordance with Rockfon installation sheet for RockLink 24 System M.

Complete options as required.

NBS K40 specifications text are available either from NBS Plus on 0845 456 9594 or direct from Rockfon.

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