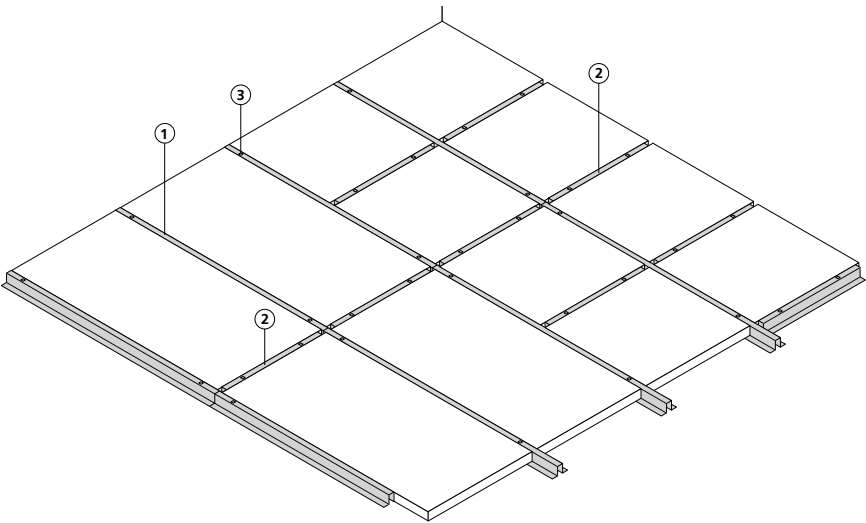


Rockfon System Samson

Installation system



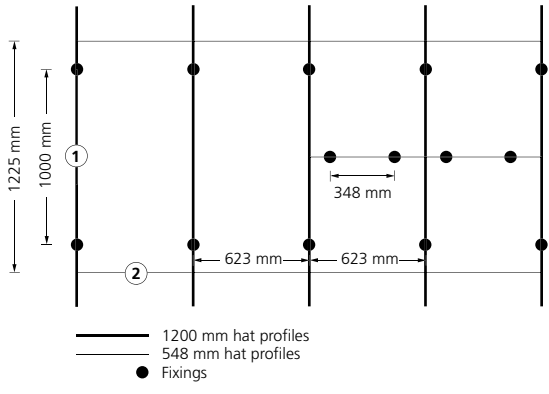
System Samson is used to install Rockfon Samson or Boxer tiles for high impact resistance which meets the requirements of class A1 in accordance with EN 13964 annex D.

Rockfon Samson in module sizes 600 x 600 mm, 1200 x 600 mm and 1200 x 1200 mm can be installed using Rockfon System Samson to create finished ceiling module sizes of 623 x 623 mm, 1225 x 623 mm and 1225 x 1225 mm.

Description

Rockfon Samson tiles have been specially developed for areas where there is a risk of ceiling impact. The choice of installation system depends on the degree of impact resistance required.

Hat profile layout and fixing location



RockLink 24. Light impact resistance application

Samson tiles can be installed using RockLink 24 incorporating clips or similar retaining methods in areas which can be subject to light impacts, eg. badminton halls, school classrooms, corridors and kindergartens.

System Samson. High impact resistance application

In order to resist impacts from balls etc, the direct installation method System Samson incorporating galvanized steel "hat profiles" should be used. This installation method fulfils the requirements of the German standard DIN 18032 part 3 "Prüfung der Baldwurfsicherheit für Turnen und Spiele". This means, that the ceiling will have high impact resistance and good longevity, whilst also providing excellent sound absorption.

Minimum installation depth



Minimum installation depth is the thickness of Rockfon Samson (40 mm).

System loading capacity

Additional loads must not be placed on the tiles. All loads should be transferred to the soffit / substrate.

System components and consumption guide			
Quantity/m ²	①	②	③
Hat profiles and accessories	Hat profile L: 1200 mm	Hat profile L: 548 mm	Fixings
Module size (mm)			
623 x 623	1.68 lm	1.68 lm	9.0 pcs
1225 x 623	1.68 lm	0.84 lm	5.90 pcs

Perimeter finish options & service integration

Perimeter Finishing

Junction between ceiling and wall or other vertical surface

The hat profile should be used as the perimeter trim. Fasten the hat profile close to the wall. Ensure that butt joints between adjoining profiles are neat. The minimum recommended cut length is 300 mm.

Corners

The hat profiles should be neatly mitred at all corner joints.

Hat profiles & tiles

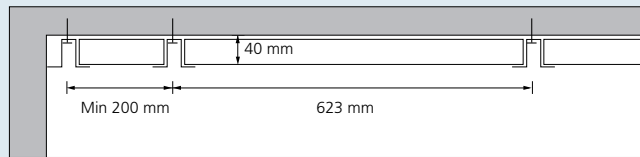
Unless specified otherwise, the ceiling should be set out symmetrically and where possible, perimeter tiles should be greater than 200 mm in width.

Fasten the first row of 1200 mm hat profiles to the soffit with appropriate top fixings in the pre-punched holes.

Install the first tile into the 1200 mm hat profiles, and then install the first and second 548 mm hat profiles, and fasten them to the soffit. This procedure should be followed to install the remaining profiles and tiles.

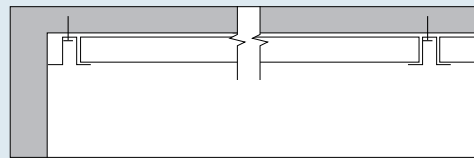
The last two rows of tiles should be installed at the same time.

When installing the tiles, the use of gloves is recommended.



Perimeter finish options

To maintain the impact resistance across the whole of the ceiling the hat profile should also be used as the perimeter trim.



Hat profile against wall

Service integration

All installations should be fastened directly to the soffit. In order to maintain impact resistance of any integrated services, contact should be made with the relevant supplier.

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".



Specification

The ceiling grid system shall be Rockfon System Samson impact resistant system, installed to form a module of _____ x _____ mm.

The hat profiles should be fastened to the soffit using appropriate top fixings in the pre punched holes.

Complete options as required.

NBS K40 specification texts are available either from NBS Plus on 0845 456 9594 or direct from Rockfon.

Rockfon Limited - a Rockwool Company

26 – 28 Hammersmith Grove
Hammersmith
London W6 7HA

Tel: +44 (0)20 8222 7457
Fax: +44 (0)20 8222 7458

www.rockfon.co.uk