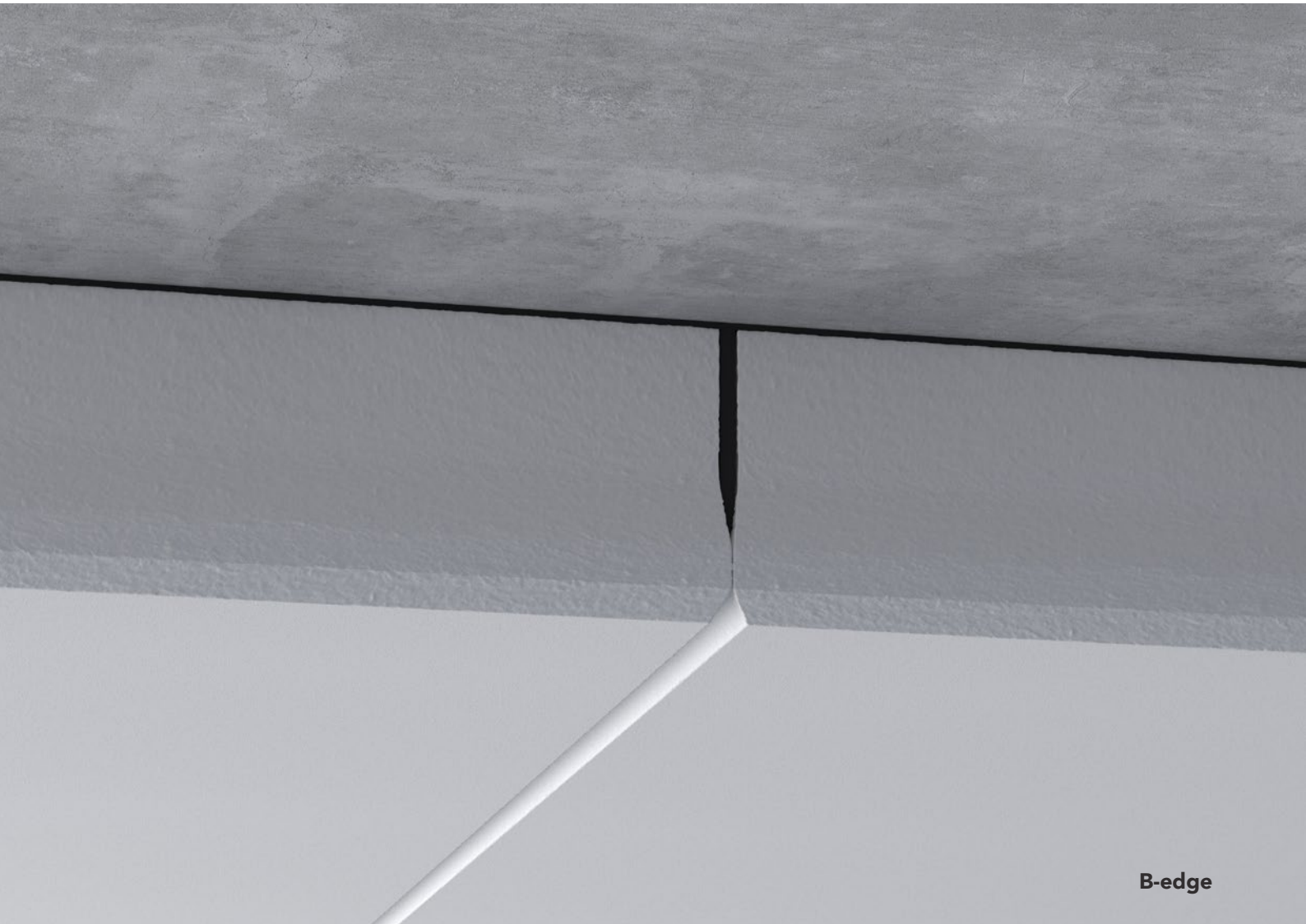


INSTALLATION GUIDE

Rockfon® System B Adhesive™



Adhesive bonded installation
Limited installation height

- Good sound absorption despite the limited installation height
- Adhesive bonding to horizontal, vertical and inclined soffits
- Aligned and brick pattern layouts or as islands
- Fast installation

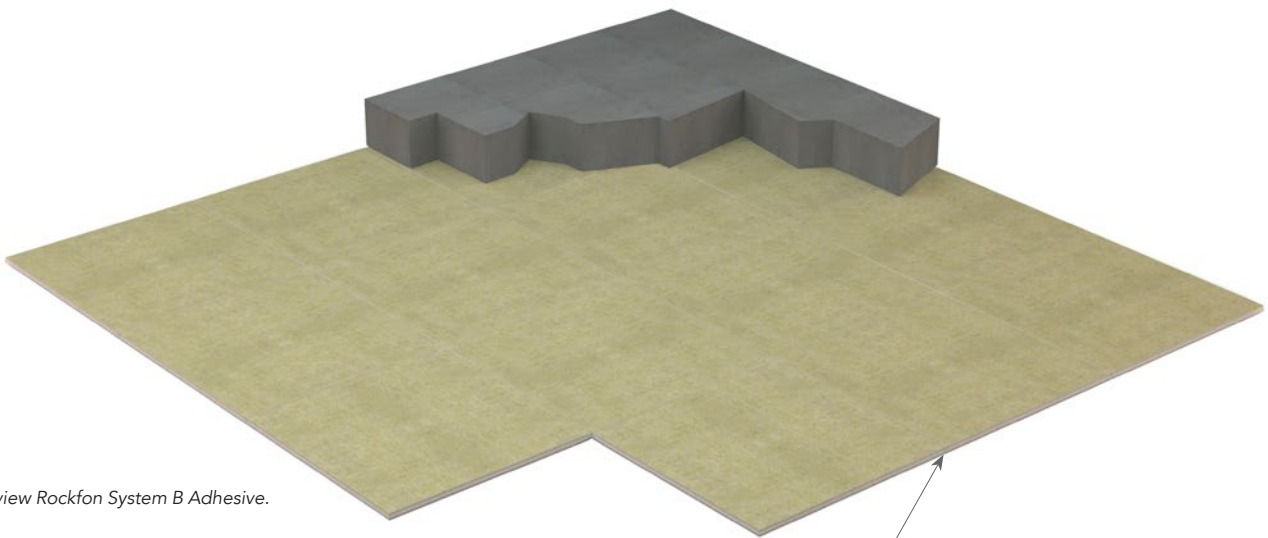
Sounds Beautiful

Description

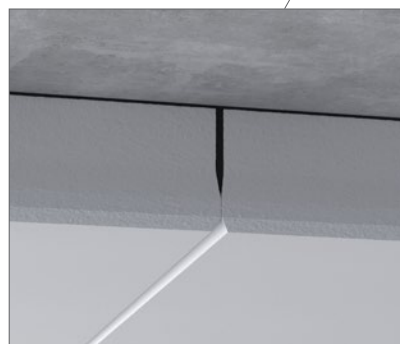
Rockfon System B Adhesive is an easy to install adhesively bonded solution which provides good sound absorption.

Creating an acoustic (concealed) ceiling in areas with limited installation height (both new build and renovation), where the use of a traditional suspended ceiling is not possible.

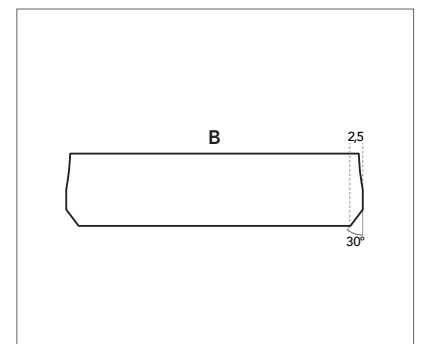
Rockfon System B Adhesive consists of Rockfon B edge tiles and adhesives which are suitable for different applications and types of soffit. This versatile ceiling solution can be used horizontal, vertical or sloping, as a complete ceiling, in aligned or off-set patterns, or as islands.



Overview Rockfon System B Adhesive.



Rockfon System B Adhesive with sharp looking beveled edges.



B edge.

Recommended glues

| Substrate type | Substrate conditions | Recommended glues | Packaging | Application method | Open time | Conditions (application, storage, transport) |
|--|---|---|---------------------|---------------------------|-----------|--|
| Concrete, gypsum, metal, wood, stone/brick | Even and uneven (< 5 mm/m) substrate | Rockfon Multifix® (SMP* based) | 600 ml Cartridge | Glue gun | 15 min | 5-30°C (max. 90% RH) |
| Concrete, gypsum, wood, stone/brick (no steel) | Even and uneven (< 4 mm/2m and < 2 mm/tile length or width) substrate | Rockfon® SwiftFix™ (waterborne dispersion adhesive) | 13 kg (10 L)/bucket | Notched trowel (6-8 mm)** | 15 min | 10-30°C (max. 80% RH) |

*SMP: Silane Modified Polymer.

**Depending on the (un)evenness of the substrate, tile weight and substrate material/condition. For more information, please contact Rockfon.

Technical datasheets and safety datasheets are available on request. Please contact Rockfon.

Glue consumption guide

| Recommended glues | Tiles | Dimensions (mm) | |
|--|--|--|--|
| | | 600 x 600 | 1200 x 600 |
| Rockfon Multifix (SMP* based) | Rockfon Blanka® B Rockfon Blanka® Activity B | 600 ml/1,8 m ² Gluing pattern 1 | 600 ml/2,4 m ² Gluing pattern 1 |
| Rockfon® SwiftFix™ (waterborne dispersion adhesive) | Rockfon® Sonar® B Rockfon® Sonar® Activity B Rockfon Blanka® B Rockfon Blanka® Activity B | 0,3 - 0,7 kg/m ² ** Gluing pattern 3 | 0,3 - 0,7 kg/m ² ** Gluing pattern 3 |

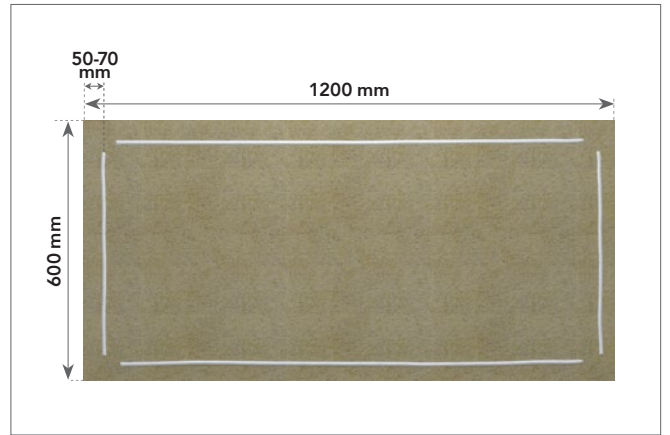
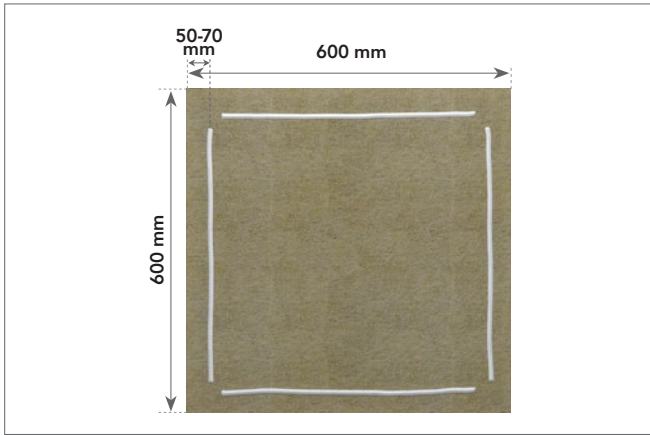
*SMP: Silane Modified Polymer.

**Depending on the (un)evenness of the substrate, tile weight and substrate material/condition. For more information, please contact Rockfon.

Technical datasheets and safety datasheets are available on request. Please contact Rockfon.

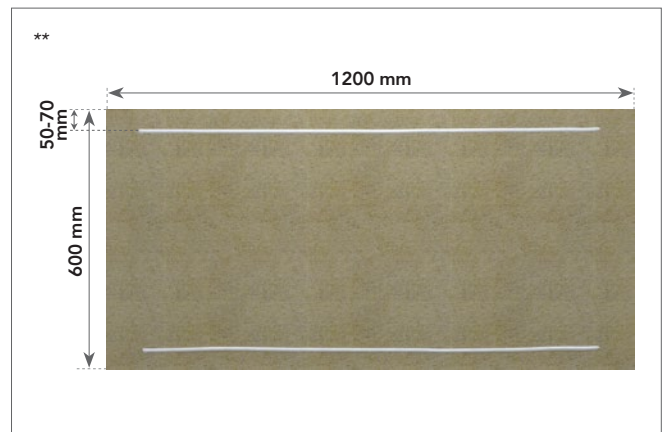
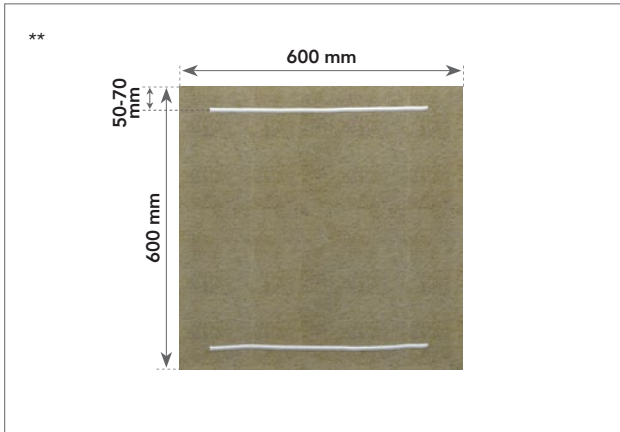
Gluing pattern 1

Dimensions 600 x 600 mm and 1200 x 600 mm + distance from the edge: 50-70 mm.



Gluing pattern 2

Dimensions 600 x 600 mm and 1200 x 600 mm + distance from the edge: 50-70 mm.

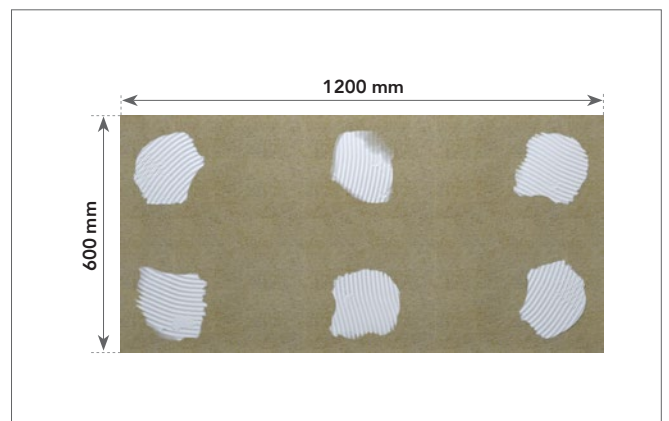
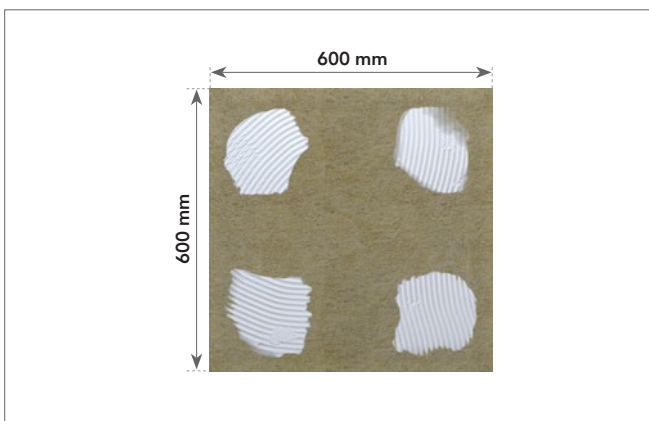


**Only used for tiles with a thickness of 20 mm.

Gluing pattern 3

Dimensions 600 x 600 mm and 1200 x 600 mm + distance from the edge: 50-70 mm.

Dots should be approximately 150 x 150 mm.***

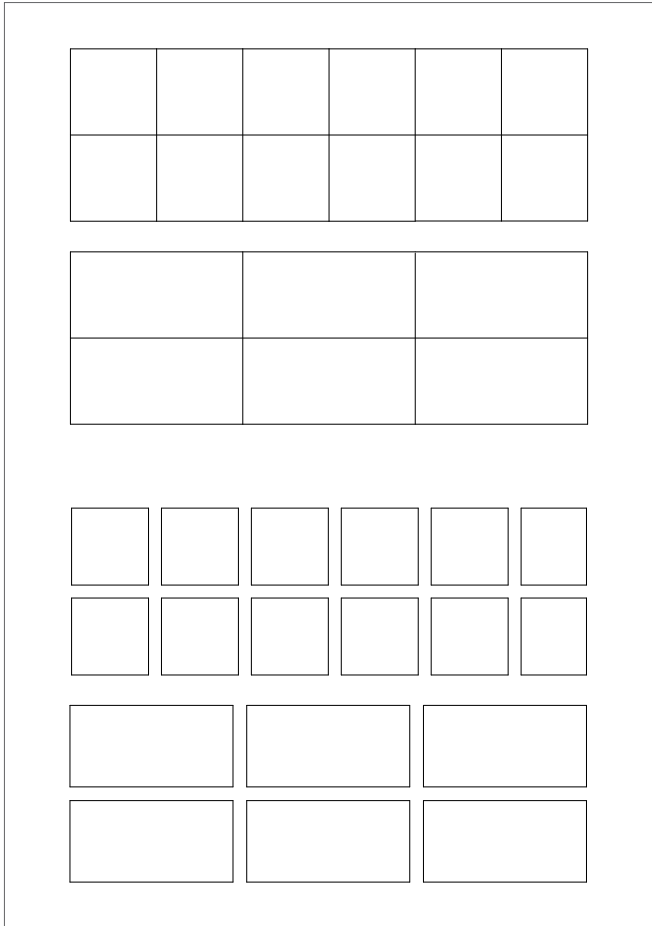


***Depending on the (un)evenness of the substrate, tile weight and substrate material/condition. For more information, please contact Rockfon.

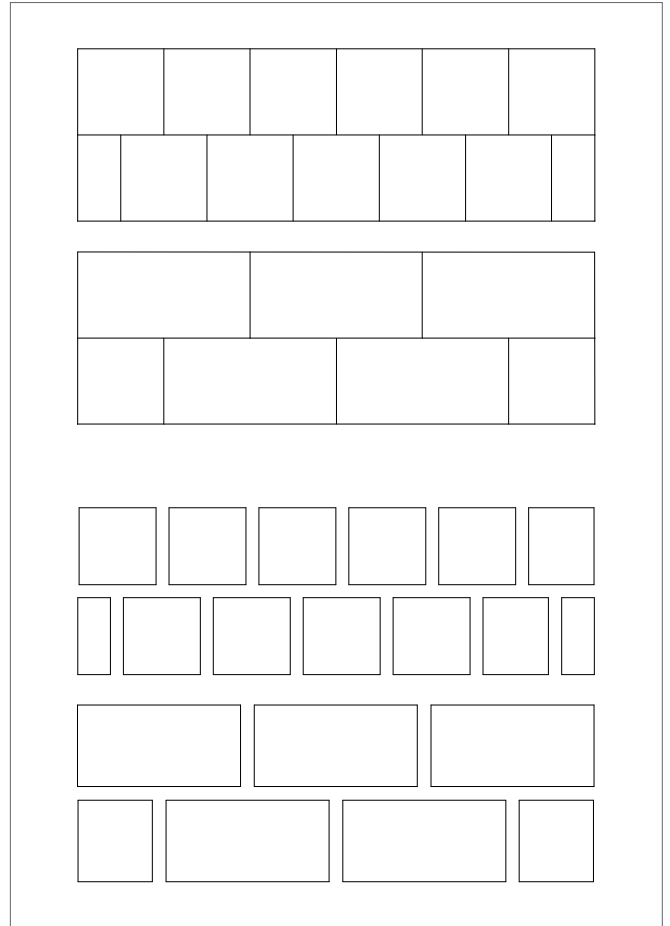
Tile installation

Layout possibilities

Rockfon System B Adhesive can be installed in aligned or off-set patterns (with or without gap in between the tiles).



Aligned pattern.



Offset pattern.

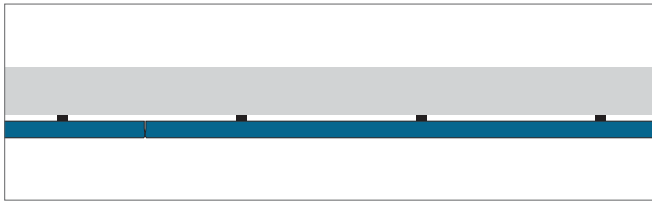
Installation requirements and method

The substrate should be dry, clean, dust free and level. Residues of paint or plaster must be removed to the extent possible to ensure optimum adhesion to the substrate. If the substrate is very porous, use a suitable primer. The substrate needs to be able to carry the load and needs to be free of cracks. If in doubt on the quality of the substrate, Rockfon recommends to conduct a glue test on the surface. Should the substrate be very un-even and rough (see table Recommended glues), ensure to level out the surface (or use a support of lathwork and fix the tiles mechanically with specially designed hooks – please contact Rockfon for more information).

The adhesive should always be stored, transported and applied in temperature conditions shown in table 'Recommended glues'. The drying time is dependent on the type of adhesive, temperature and humidity conditions.

Apply the adhesive in the patterns indicated above and in recommended quantities. Press one side of the tile onto the substrate and the other side subsequently. Adjusting the position of the tile is possible for a few minutes after the tile is put in place (see open time information in table 'Recommended glues'). Press the tile firmly using a foam pad covered trowel, as this allows to put more force on the tile and it prevents from damaging the tiles' surface. The tile can be released with no waiting time. If tiles are installed with a gap between them, use spacers at each tile corner to maintain even lines between the tiles.

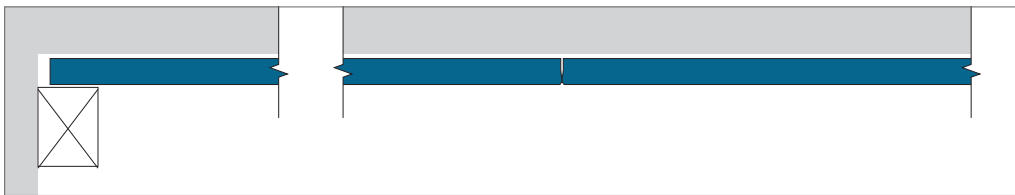
Minimum installation depth (mm)



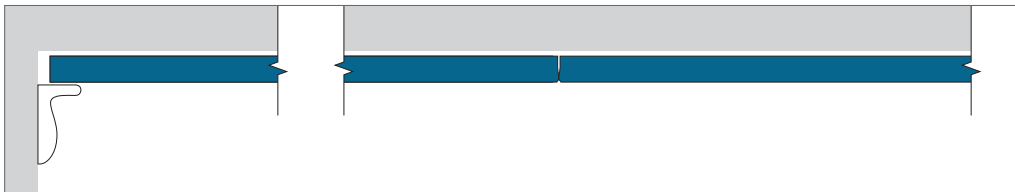
The minimum installation depth is the thickness of the tile plus the thickness of the glue.

Perimeter finish options

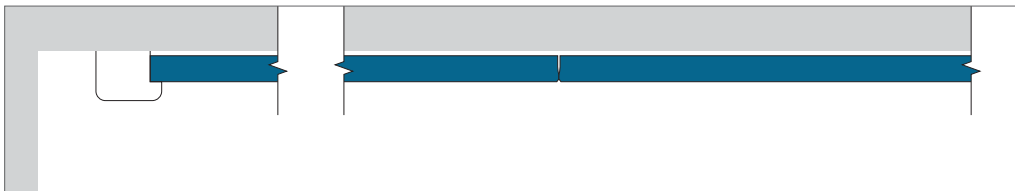
Below are examples of perimeter finishing. Further details can be found on apac.rockfon.international



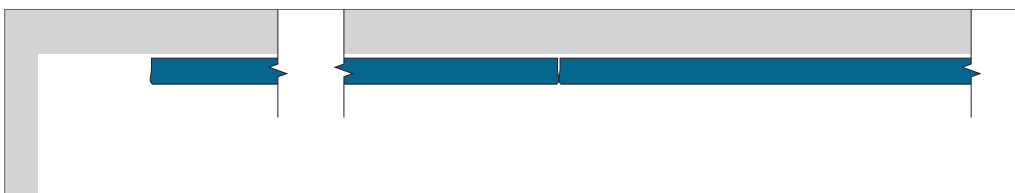
Timber batten.



Timber moulding.



Timber moulding.



Island - without perimeter.

Performance



System load bearing capacity

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



Demountability

Tiles mounted in Rockfon System B Adhesive are not demountable.



Fire resistance

Some Rockfon ceiling systems have been tested and classified in accordance with European norm EN 13501-2 and/or national norms. Please contact Rockfon.

Compatible tiles overview

All Rockfon B edge tiles available in dimensions mentioned below can be installed in Rockfon System B Adhesive:

| | | Dimension (mm) | |
|----------------------------|----------------|----------------|------------|
| Tiles | Thickness (mm) | 600 x 600 | 1200 x 600 |
| Rockfon® Sonar® B | 20 | • | • |
| Rockfon® Sonar® Activity B | 40 | • | • |
| Rockfon Blanka® B | 20 | • | • |
| Rockfon Blanka™ Activity B | 40 | • | • |
| Rockfon® Facett™ B | 50, 60 | | • |

Other dimensions can be installed in Rockfon System B Adhesive. Please contact Rockfon.

Service integration

Additional loads such as light fittings or similar services must not be placed on the tiles of Rockfon System B Adhesive. They should be fixed through to the firm substrate carrying the tiles. Alternatively lights etc can be cut into the tile and then fixed to the soffit/substrate.



System load bearing capacity

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

General installation recommendations

Junction between ceiling and wall or other vertical surface

Specially made timber trims or mouldings are ideally suited for use as the perimeter finish with this system.

Timber trims, timber shadow battens and metal

Shadow mouldings should not be used with fire resisting/protecting ceilings.

Junction between ceiling and curved vertical surface

The use of a preformed curved perimeter trim is the most appropriate method. Technical Service can provide details of curved perimeter trims on request.

Corners

Perimeter trims should be neatly mitred at all corner joints.

Tiles

It is recommended to use clean nitrile or PU coated gloves when mounting Rockfon tiles in order to avoid finger prints and pollution of the surface.

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

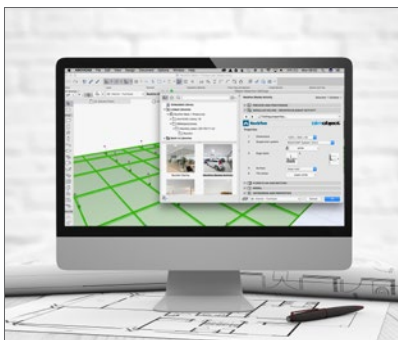
Perimeter tiles should, ideally for aesthetic reasons, not be smaller than 300 mm.

Cutting is easy using a sharp knife. All off-cuts and holes must be treated according to local Building Regulations.

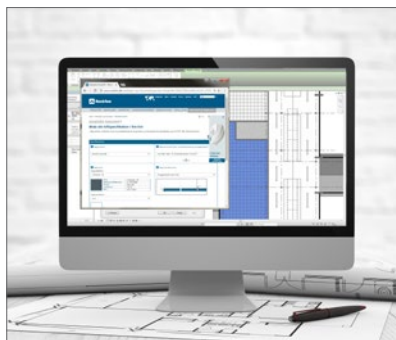
Note! Certain smooth matt surfaces are directional. To ensure consistency of the finished ceiling, it is important that all tiles are mounted in one direction indicated by the arrow printed on the back of each tile.

Tools

Rockfon has developed specific tools that are available on apac.rockfon.international



Visit our online CAD Library or BIM portal to assist you in your project design.



Generate specification texts for our products on our website.



Explore our vast library of reference projects on our website.

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