# Rockfon® System B Adhesive

**Sounds Beautiful**

**B-edge**

## A bonded adhesive installation method for walls and ceilings

- Good sound absorption despite the limited soffit height
- Adhesive bonded to horizontal, vertical and inclined surfaces
- Range of tile layout possibilities, including aligned or brick patterns, and islands
- For quick installation of Blanka and Blanka Activity B edge products

**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 soffit 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, Rockfon Blanka and adhesives which are suitable for different applications and types of soffit. This versatile solution can be used on horizontal, vertical and sloping surfaces, as a complete continuous solution, in aligned or off-set patterns, or as discontinuous islands.
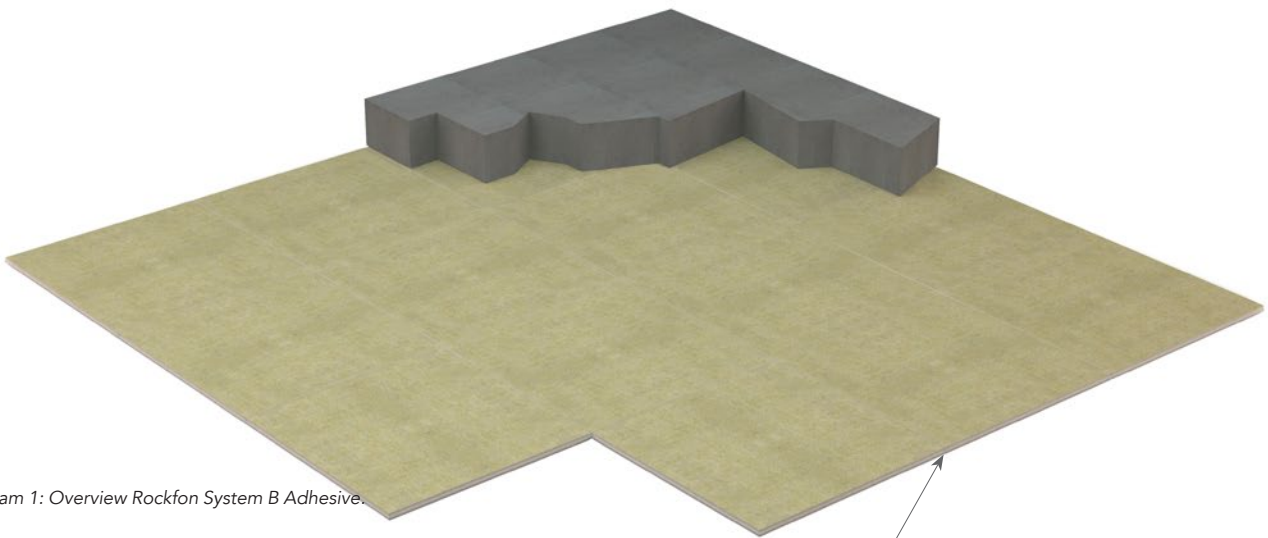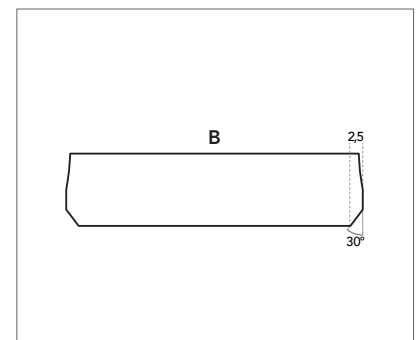
*Diagram 1: Overview Rockfon System B Adhesive.*

*Diagram 2:*

*Rockfon System B Adhesive with sharp looking beveled edges.*

*Diagram 3:*

B edge in cross-section.

# Recommended adhesives

*Table 1:*

| Substrate type | Substrate conditions | Recommended adhesives | Packaging | Application method | Open time | Conditions (application, storage, transport) |
|---|---|---|---|---|---|---|
| Concrete, gypsum, wood, stone/brick (no metal) | 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 spreader (6-8 mm)* | 15 min | 10-30°C (max. 80% RH) |

*\*Depending on the (un)evenness of the substrate, tile weight and substrate material/condition.*
*Should the soffit be very uneven and rough (irregularities >5mm) ensure to level out the surface. For more information, please contact Rockfon.*
*Technical datasheets and safety datasheets are available on request. Please contact Rockfon.*

# Adhesive consumption guide

*Table 2:*

| - | - | Dimensions (mm) | |
|---|---|---|---|
| Recommended adhesives | Tiles | 600 x 600 | 1200 x 600 |
| Rockfon® SwiftFix (waterborne dispersion adhesive) | Rockfon Blanka® B Rockfon Blanka® Activity B | 0.3 - 0.7 kg/m² * | 0.3 - 0.7 kg/m² * |

*\*Depending on the (un)evenness of the substrate, tile weight and substrate material/condition.*
*Should the soffit be very uneven and rough (irregularities >5mm) ensure to level out the surface. For more information, please contact Rockfon.*
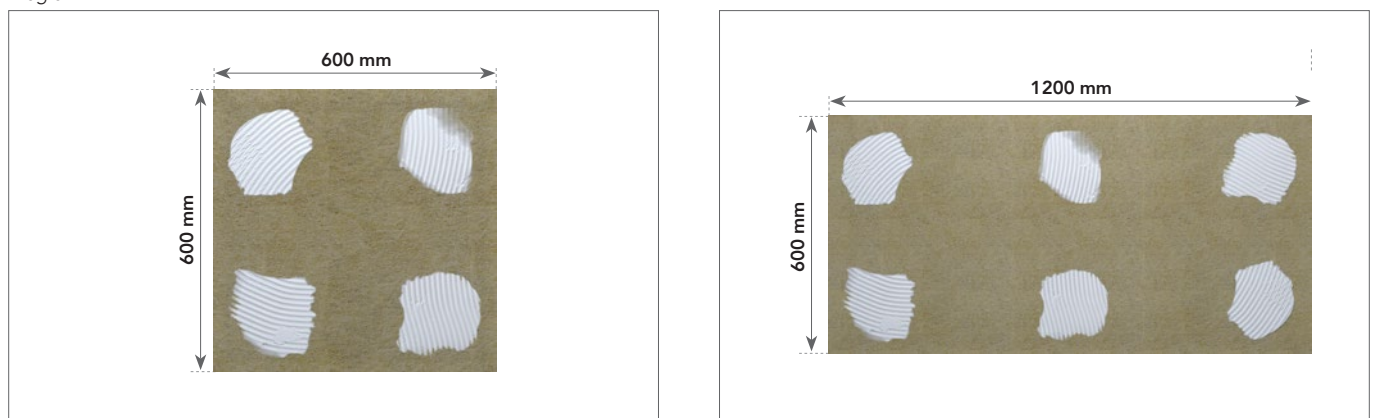*Technical datasheets and safety datasheets are available on request. Please contact Rockfon.*

### Adhesive pattern

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.
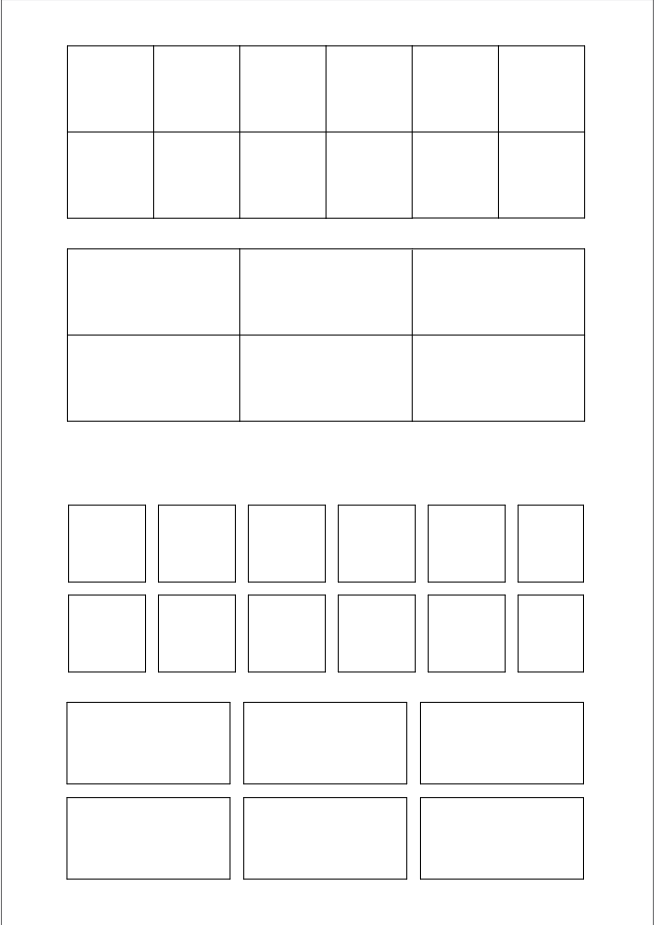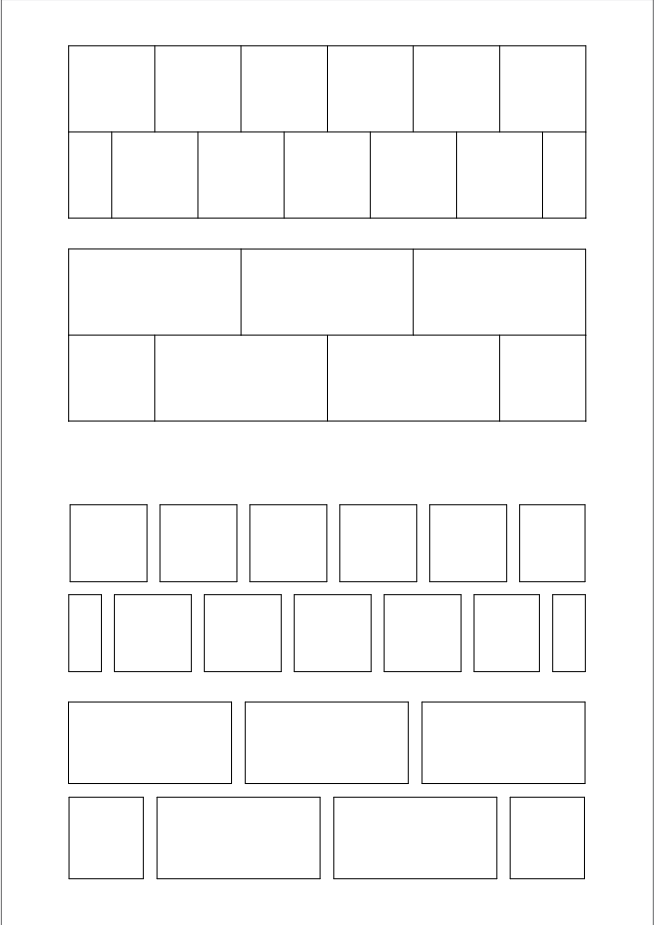
*Diagram 4:*

# Tile installation

## Layout possibilities

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

*Diagram 5:*
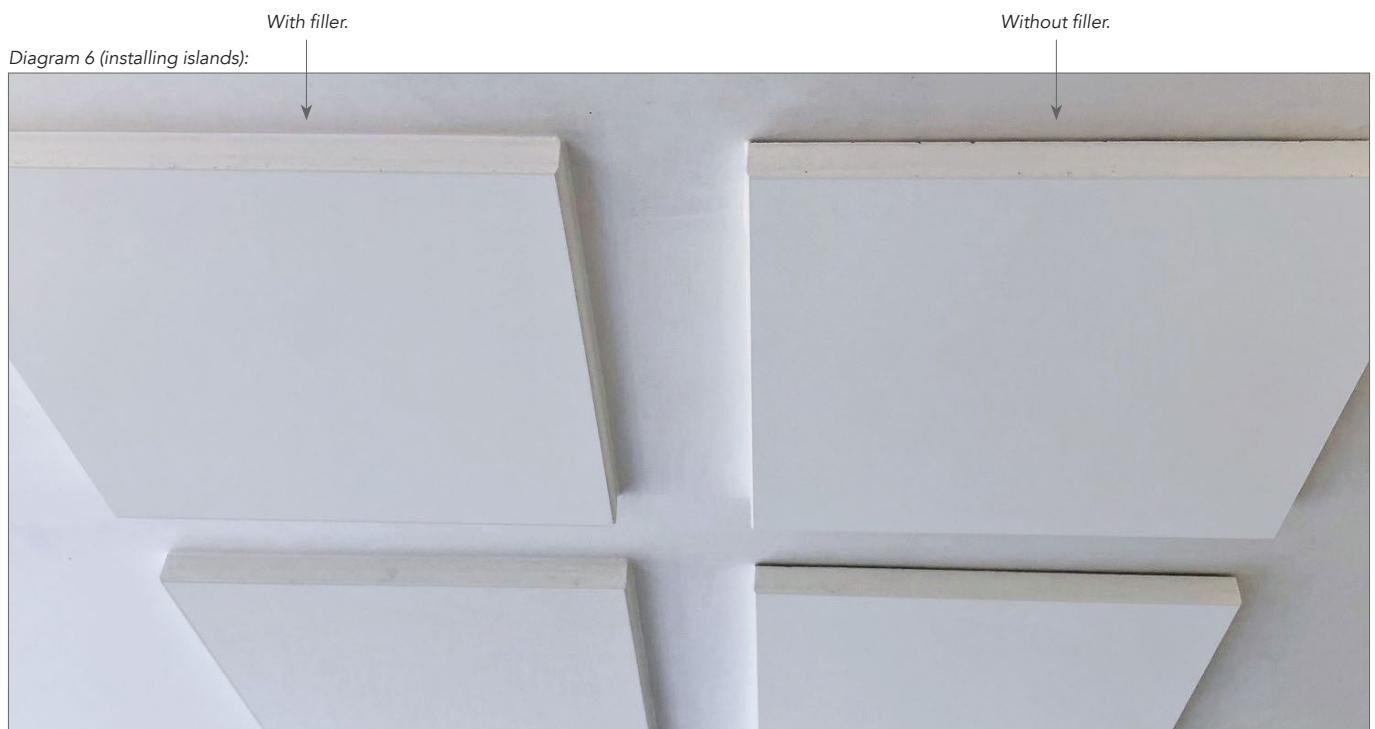
Aligned pattern.

Offset pattern.

## Installation method

The substrate should be dry, clean, dust free and level. Residues of paint or plaster must be removed as far as 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 carrying out an adhesion test on the surface. Should the substrate be very uneven and rough (see Table 1), 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 1. The drying time is dependent on the type of adhesive, temperature and humidity conditions.
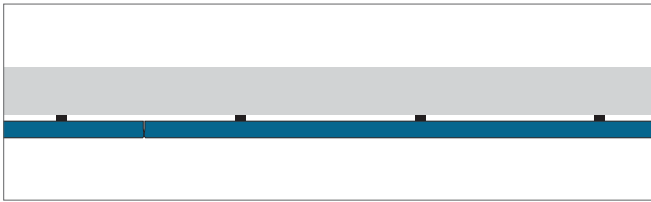
Apply the adhesive in the patterns shown in Diagrams 4 and in our recommended quantities. Press one side of the tile onto the substrate and the other side subsequently. The position of the tile can be adjusted for a few minutes after the tile is put in place (see open time information in Table 1). Press the tile firmly using a foam pad covered trowel, as this allows more force to be put onto 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.

If the tiles are installed as islands, an acrylic filler can be used to cover the joint between the tile and the substrate.

*With filler.*

*Without filler.*

*Diagram 6 (installing islands):*

# Minimum installation depth (mm)
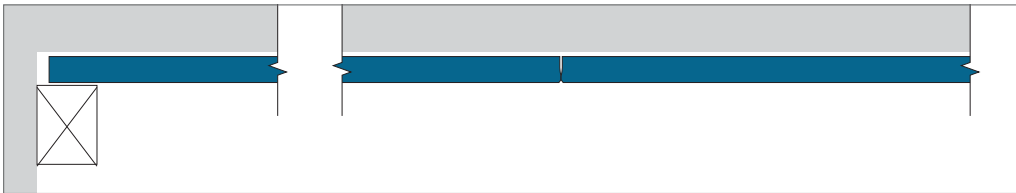
*Diagram 7:*



*The minimum installation depth is the thickness
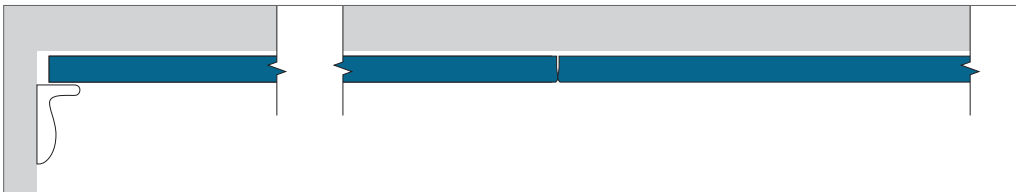of the tile plus the thickness of the adhesive.*

# Perimeter finish options

Below are examples of perimeter finishing. Further details can be
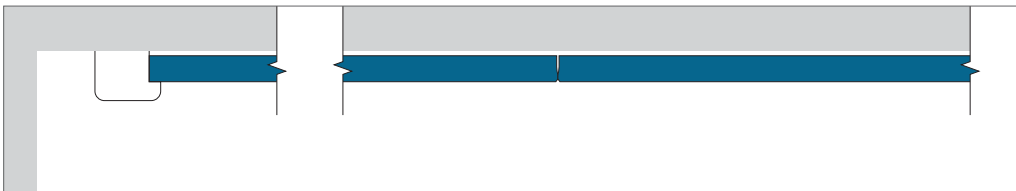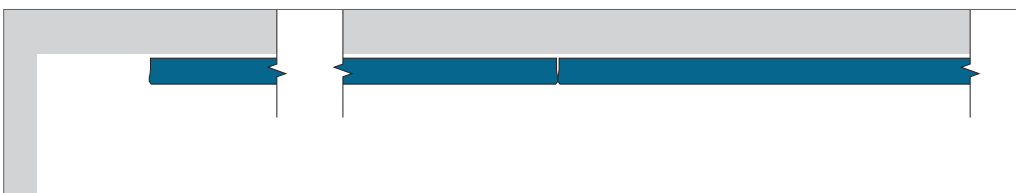found on **www.rockfon.co.uk**.

*Diagram 8:*



*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 ceiling tiles and wall panels tiles

All Rockfon B edge tiles listed below can be
installed using the Rockfon System B Adhesive:

*Table 3:*

| - | | Dimension (mm) | |
|---|---|---|---|
| Tiles | Thickness (mm) | 600 x 600 | 1200 x 600 |
| Rockfon Blanka® B | 20 | • | • |
| Rockfon Blanka® Activity B | 40 | • | • |
| Rockfon Blanka Activity Wall Panel B | 40 | • | • |

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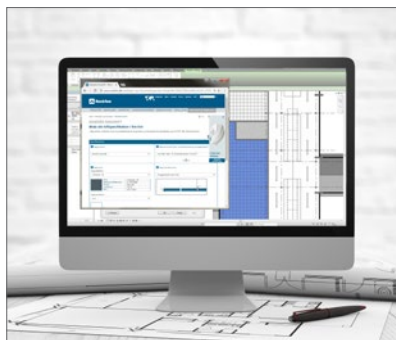
**Note!** Certain smooth matt surfaces are directional. To ensure consistency of the finished ceiling, it is important that all tiles are mounted in one direction indicated by the arrow printed on the back of each tile.

# Tools

Rockfon has developed specific tools that are available on **www.rockfon.co.uk**.



*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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