BUILDING MATERIALS SHOULD BE BOTH SURPRISINGLY FUNCTIONAL AND REMARKABLY BEAUTIFUL WITHOUT COMPROMISING THE SAFETY AND ENVIRONMENTAL STANDARDS OF TOMORROW.

TABLE OF CONTENTS

These instructions serve as a guide. The responsibility for recognizing and compensating for field conditions is with the installer. Installer should follow best practices for construction and workmanship. BAUX bears no responsibility for installation or contractor selection.

Be sure to inspect materials upon delivery. Please note any damage on the delivery and notify BAUX immediately. Materials should be stored in original packing in a clean, climate controlled environment free of moisture.

DO NOT INSTALL MATERIALS OF UNACCEPTABLE QUALITY

GENERAL INSTRUCTIONS

Wood Wool

BAUX Acoustic Wood Wool is a functional, natural material made from two of the world's oldest building materials, wood and cement. The combination is simple and ingenious. Wood fiber offers excellent insulation, heat retention and sound absorption. BAUX is made from certified wood – FSC® and PEFC™ – guaranteeing that it can be traced back to responsible forestry operations. Cement, a proven and popular building material, is the binder that provides strength, moisture resistance and fire protection. Therefore, BAUX Acoustic products are versatile and durable in all climates.

Unpacking and Handling

Please handle BAUX products with care during unpacking and installation. Be sure to inspect materials upon delivery and note any damages on the delivery and notify BAUX immediately.

Do not install materials of unacceptable quality. Materials waiting to be installed should be stored in original packing in a clean, climate controlled environment free of moisture.

Wall & Ceiling Surface Conditions

Make sure that the surface where you will install BAUX Acoustic Wood Wool is clean and free from dust. If the surface is uneven it must be leveled out before installation, this is particularly important when you install direct to the wall or ceiling.

Pay attention to painted surfaces where there is a risk for the paint to come off. Never install on a recently painted surface, the paint needs to dry properly. The responsibility for evaluating and recognizing potential issues with the paint or surface in general - and compensating for different field conditions is with the installer.

Cutting and Painting

BAUX Products can easily be cut to shape with a Hand Saw, Circular Saw or equal. The color does not run through the material so visible edges need touch up paint. Minor damages on the product during installation can be re-painted. Avoid repetitive re-painting since the acoustic performance may be reduced if too much paint is used.

Acoustic Performance

The open structure of the material reduces sound reflections which makes BAUX Acoustic Wood Wool a proven sound absorber. The material dampens noise and contributes to restful acoustics in residential buildings, industrial premises, public spaces etc. BAUX is well equipped to absorb human voice frequencies (between 500-4000Hz) and is therefore often used in public spaces, offices and schools. BAUX wood wool 25 mm thickness, directly installed on the wall or ceiling performs NRC 0.40 and Alpha-w 0.30. The 3D PIXEL product with an even distribution of thicknesses 25/50/70mm perform NRC 0.60 and Alpha-w 0.50 when installed direct on the wall or ceiling. To reach higher absorption coefficients you can also use BAUX together with a 40 mm acoustic stone wool board. In this case you can reach NRC 0.95 and Alpha-w 1.0 (class-A).

Cleaning

BAUX Acoustic Wood Wool products can be cleaned with a vacuum cleaner without being harmed. Use a brush attachment and put light pressure on the surface. Dirt attached to the surface may be removed with a brush or a wet rag. Cleaning liquids may be used. In cases of heavy soiling, light cleaning with hot steam is proposed.

Repairs

Minor damages on the surface usually have little impact on the appearance since the boards have the same structure throughout the entire product. Minor damages can be re-painted. Boards with larger damages need to be replaced.

Reuse, Recycling and Deposition

Boards that have been disassembled in connection with renovation or demolition may be reused. Wood wool boards may be ground down and recycled, e.g. as ballast and filling material, moisture absorbent sprinkling, substrate for running tracks etc. If wood wool material is deposited in nature, no negative environmental impact arises, on the contrary it adds a calcium supplement. When CO2 from the air binds to the cement particles, calcium is formed (carbonation).

Physical Appearance & Performance

Appearance	Interior or Exterior wall or ceiling panels	Thermal resistance	RD 0,93 m^2·K/W (50 mm) and 0,75 m^2·K/W (70 mm)
Colors	Unpainted or painted	Thermal conductivity	$\lambda_{average}$ 0,085 W/m°C (25 mm thickness)
Odor	None	Steam coefficient permeability	4 - 5 x 10-6 m^2/s.
Solubility in water	None	Air permeability	~20 m^3/m^2hPa
Weight	11 kg/m^2 = 2.25 lbs/ft2 (25 mm thickness)	Tensile Strength	0,007 MPa
Dust (1)	No measurable particle attraction	Compression strength	0,4 MPa
Emissions (2)	< 11µg/m2 x h	Flexural Strength	0,7 MPa
Release of Asbestos	No content	Deformation	4 mm (0.05 MPa pressure), 5 mm (0.10 MPa pressure)

(1) RNK & Sitac blasted 10 year old wood wool boards with air jet (2) Swedish Institute of Technical Research - Protocol 90K10102

Installation method guidance

Below table will guide you to select an appropriate installation method depending on selected BAUX product and whether you want to install BAUX on the wall or ceiling and what kind of acoustical performance you aim for

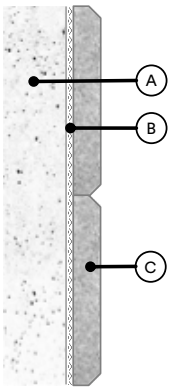
		WALL					CEILING						
		Glue		Screw		Magnet	Glue			Screw			Magnet
		WG1	WG2	WS1	WS2	WM	CG1	CG2	CG3	CS1	CS2	CS3	CM
	3D PIXEL	YES	YES	YES	NO	YES	NO	NO	NO	NO	NO	NO	NO
	Small TILES	YES	YES	NO	NO	YES	YES	YES	YES	NO	NO	NO	YES
	Large TILES	YES	YES	YES	SOME*	YES	SOME*	SOME*	SOME*	YES	SOME*	SOME*	NO
	PANELS	YES	YES	YES	YES	YES	NO	NO	NO	YES	YES	YES	NO
Acoustic Performance	αw (H)	0.30-0.50	1.00	0.30-0.50	1.00	0.30-0.50	0.30	1.00	0.50-0.90	0.30	1.00	0.50-0.90	0.50-0.90
	NRC	0.40-0.60	0.95	0.40-0.60	0.95	0.40-0.60	0.40	0.95	0.45-0.90	0.40	0.95	0.45-0.90	0.45-0.90
	SAA	0.41-0.62	0.95	0.41-0.62	0.95	0.41-0.62	0.41	0.95	0.46-0.91	0.41	0.95	0.46-0.91	0.46-0.91
	Class	D	A	D	A	D-C	D	A	D-A	D	A	D-A	D-A

* See details on each specific installation method instruction to understand what BAUX products you can install

WG1 – Glue directly to the Wall

- All BAUX products can be installed with method WG1
- This is the fastest and most commonly used method to install BAUX products

Illustration



A: Wall
B: Glue
C: BAUX Acoustic Wood Wool

Instructions

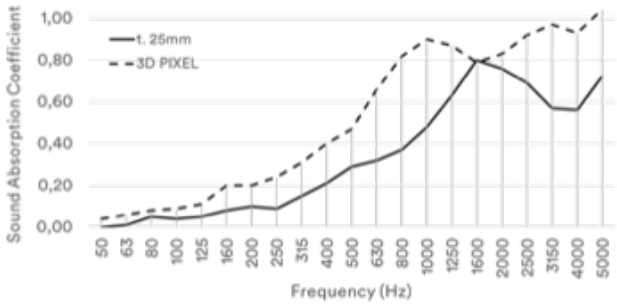
1. Before you start, read and follow the General Instructions on page 1, Guidelines for Glue Application on page 10 and the complete instruction below
2. Position and mark the bottom left (or right) corner of the BAUX pattern on the wall and use this as a starting point for your installation
3. Either mount a horizontal beam below the bottom row of BAUX products as a foundation during installation (use laser or spirit level) or mark the bottom line with laser or tape
4. Put glue on the first piece and push it firmly towards the surface. You will be allowed to move the piece slightly on the surface to secure an exact positioning. Larger panels may be fixed with small nails to avoid gliding before the glue hardens
5. Install the first two bottom rows, piece-by-piece along the bottom beam/line. Make sure to position the pieces very linear and accurate against each other. This is especially critical for triangular and parallelogram shapes, a smaller error in the bottom section will grow successively further up on the pattern
6. Continue to install the pieces, one-by-one and row-by-row upwards
7. When you are finished you may remove the beam/tape
8. Use touch up paint to repair any damages occurred on BAUX products during installation

NOTE
i. Only use glue recommended by BAUX or a certified installation company
ii. The responsibility for recognizing and compensating for field conditions is with the installer

Acoustic Performance

	25mm	3D Pixel
αw	0.30 (H)	0.50 (H)
NRC	0.40	0.60
SAA	0.41	0.62
Class	D	D

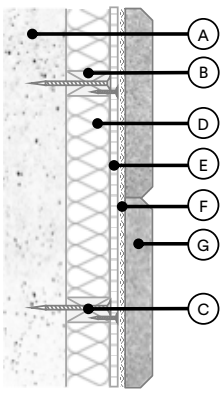
Sound absorption measured according to the reverberation room method (SS-EN ISO 354:2003) and evaluated according to SS-EN ISO 11654:1997



WG2 – Glue directly to the wall with Acoustic Stone Wool

- All BAUX products can be installed with method WG2
- With an Acoustic Stone Wool board behind BAUX Acoustic Wood Wool, the acoustic performance will be improved, especially for low frequency noise. The acoustic improvement for human voice frequencies compared to direct installation is more moderate

Illustration



A: Wall
B: Wooden Beams
C: Screws (beams & plasterboard)
D: Acoustic Stone Wool, 40mm
E: Perforated Plasterboard
F: Glue
G: BAUX Acoustic Wood Wool

Instructions

1. Before you start, read and follow the General Instructions on page 1, Guidelines for Glue Application on page 10 and the complete instruction below
2. Install vertical or horizontal wooden beams with distance according to the Acoustic Stone Wool. Select a type of screw according to each specific field condition, i.e. depending on the surface material of the wall. BAUX Acoustic Wood Wool weigh 11 kg/m2 = 2.25 lbs per ft2
3. Screw perforated plasterboards into the beams. Plasterboard perforation grade need to be higher than 17% in order to retain full acoustic effect from the stone wool behind
4. Glue BAUX products to the plasterboard according to installation method WG1
5. Use touch up paint to repair any damages occurred on BAUX products during installation

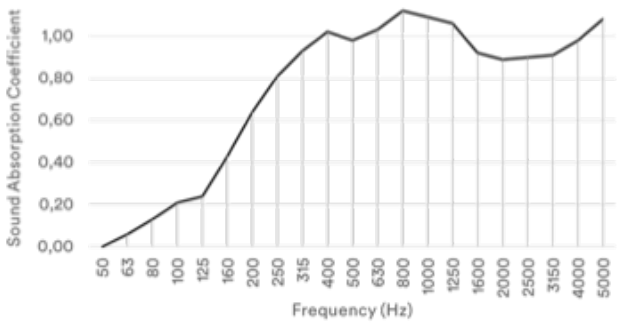
NOTE
i. Only use glue recommended by BAUX or a certified installation company
ii. The responsibility for recognizing and compensating for field conditions is with the installer

Acoustic Performance

40mm Acoustic Stone Wool

αw	1.00 (H)
NRC	0.95
SAA	0.95
Class	A

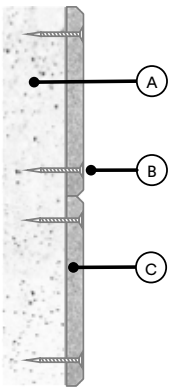
Sound absorption measured according to the reverberation room method (SS-EN ISO 354:2003) and evaluated according to SS-EN ISO 11654:1997



WS1 – Screw directly to the Wall

- Recommended BAUX products to be installed with method WS1 are PANELS, Large TILES and 3D Pixels
- Small TILES and 3D TILES are easier to install with method WG1

Illustration



A: Wall
B: Screws
C: BAUX Acoustic Wood Wool

Instructions

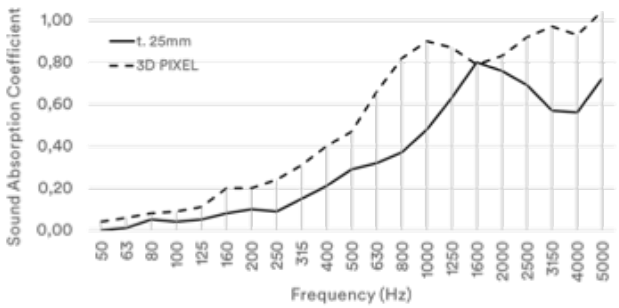
1. Before you start, read and follow the General Instructions on page 1, Guidelines for Screw positioning on page 10 and the complete instruction below
2. Position and mark the bottom left (or right) corner of the BAUX pattern on the wall and use this as a starting point for your installation
3. Screw BAUX products to the wall, one-by-one and row by row. Begin with the first two bottom lines of pieces. Make sure to position the pieces very linear and accurate against each other. This is especially critical for triangular and parallelogram shapes, a smaller error in the beginning will grow successively cross the pattern. Select a type of screw according to each specific field condition, i.e. depending on the material of the wall. BAUX Acoustic Wood Wool weigh 11 kg/m2 = 2.25 lbs per ft2
4. Continue to install the pieces, one-by-one and row-by-row upwards
5. When you are finished you may remove the beam/tape
6. Use touch up paint to cover screw heads and repair any damages occurred on BAUX products during installation

NOTE
i. The responsibility for recognizing and compensating for field conditions is with the installer

Acoustic Performance

	25mm	3D Pixel
αw	0.30 (H)	0.50 (H)
NRC	0.40	0.60
SAA	0.41	0.62
Class	D	D

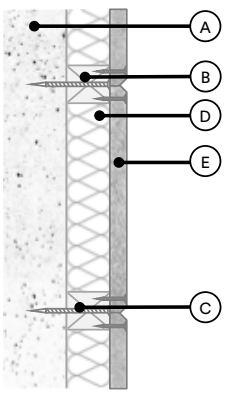
Sound absorption measured according to the reverberation room method (SS-EN ISO 354:2003) and evaluated according to SS-EN ISO 11654:1997



WS2 – Screw with Acoustic Stone Wool

- Recommended BAUX products to be installed with method WS2 are PANELS and Large TILES Square, Rectangle, Hexagon and Plank
- Small TILES and 3D TILES with distance to the wall are easier to install with method WG2
- With an Acoustic Stone Wool board behind BAUX Acoustic Wood Wool, the acoustic performance will be improved, especially for low frequency noise. The acoustic improvement for human voice frequencies compared to direct installation is more moderate.

Illustration



A: Wall
B: Wooden Beams
C: Screws (beams & plasterboard)
D: Acoustic Stone Wool, 40mm
E: BAUX Acoustic Wood Wool

Instructions

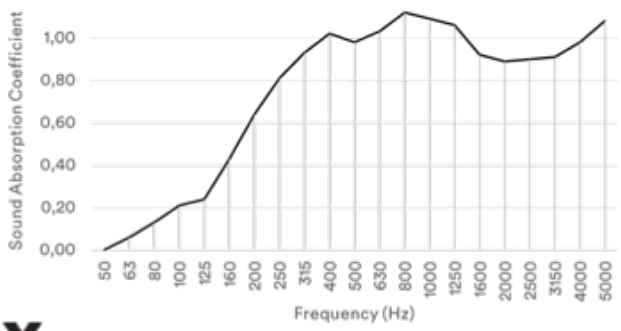
1. Before you start, read and follow the General Instructions on page 1, Guidelines for Screw positioning on page 10 and the complete instruction below
2. Install vertical or horizontal wooden beams with distance according to the size of the Acoustic Stone Wool panels and selected type of BAUX product. Select a type of screw according to each specific field condition, i.e. depending on the material of the wall. BAUX Acoustic Wood Wool weigh 11 kg/m2 = 2.25 lbs per ft2
3. Screw BAUX products into the beams. Install one-by-one and row by row. Make sure to position the pieces very linear and accurate against each other. This is especially critical for triangular and parallelogram shapes, a smaller error in the beginning will grow successively cross the pattern
4. Use touch up paint to repair any damages occurred on BAUX products during installation

NOTE
i. The responsibility for recognizing and compensating for field conditions is with the installer

Acoustic Performance

40mm Acoustic Stone Wool	
αw	1.00 (H)
NRC	0.95
SAA	0.95
Class	A

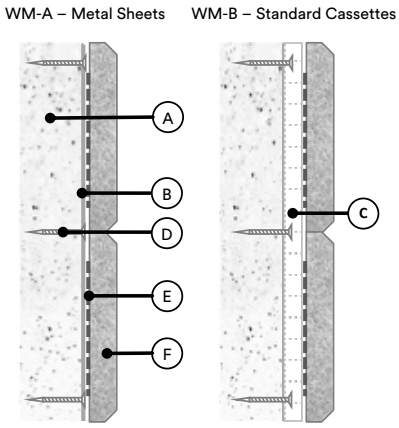
Sound absorption measured according to the reverberation room method (SS-EN ISO 354:2003) and evaluated according to SS-EN ISO 11654:1997



WM (A&B) – Magnets directly to the Wall

- All BAUX products can be installed with method WM. BAUX will prefix a magnet on the rear side of each piece
- WM-B method will have slightly improved acoustic performance compared to WM-A but currently BAUX have no data measurement for this

Illustration



A: Wall
B: Metal Sheet (1 mm thick)
C: Standard Cassette (20 mm thick)
D: Screws
E: Magnets
F: BAUX Acoustic Wood Wool

Instructions

Preparation

1. Before you start, read and follow the General Instructions on page 1 and the complete instruction below
2. Measure and mark out the pattern position for your installation on the wall. Keep a distance from the sides of approximately 200mm

WM-A - Metal Sheets

1. Install the sheets to the wall using screws. Installer should follow best practices for construction and workmanship and select an appropriate screw and fixing type for each specific wall condition

WM-B - Standard Cassette

1. Attach the included brackets to the bottom of the panels
2. Install the cassettes to the wall using the attached bottom brackets and the two top holes. Start with the bottom row closest to the floor
3. For each successive row, start by folding out the flaps at the bottom of the cassette, fold them to a maximum of 90°. Place the cassette on top of a installed cassette, the folded flaps should fit in the top holes of the previous cassette. Attach the cassette to the wall using the two top holes, se detail below

BAUX products

1. Install the first two bottom rows, piece-by-piece along the bottom line. Make sure to position the pieces very linear and accurate against each other. This is especially critical for triangular and parallelogram shapes, a smaller error in the bottom section will grow successively further up on the pattern, see detail below
2. Continue to install the pieces, one-by-one and row-by-row upwards
3. Use touch up paint to repair any damages occurred on BAUX products during installation

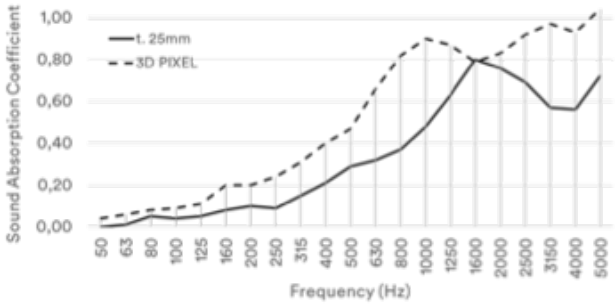
NOTE

i. The responsibility for recognizing and compensating for field conditions is with the installer

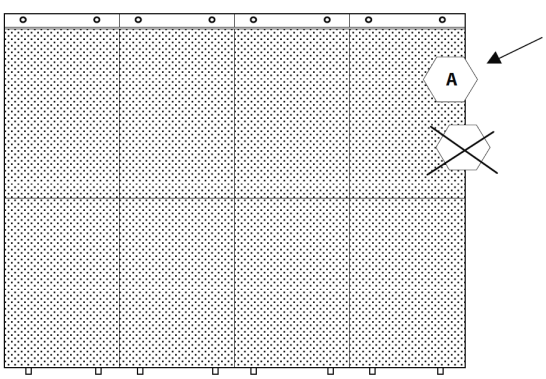
Acoustic Performance

	25mm	3D Pixel
αw	0.30 (H)	0.50 (H)
NRC	0.40	0.60
SAA	0.41	0.62
Class	D	D

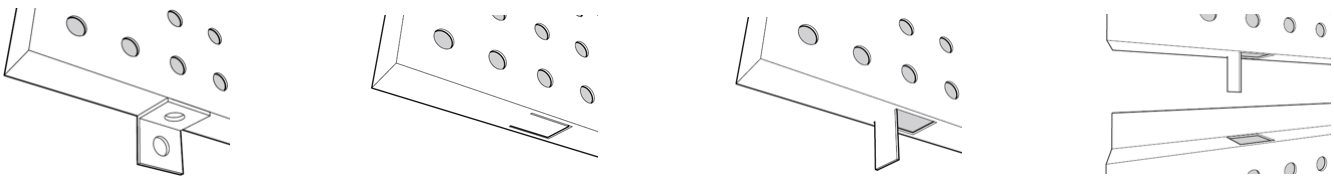
*C with Standard Cassette
Sound absorption measured according to the reverberation room method (SS-EN ISO 354:2003) and evaluated according to SS-EN ISO 11654:1997



MW2 - Standard Cassette Details



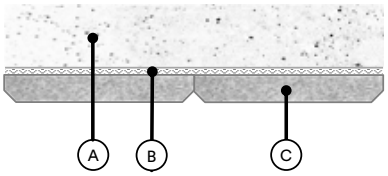
Place the BAUX Acoustic Wood Wool according to the picture. They should not be placed further out than Detail A



CG1 – Glue directly on the Ceiling

- Recommended BAUX products to be installed with method CG1 are Small TILES except 3D Pixels. All Large TILES are also recommended except Large Rectangle and Large Parallelogram
- CG1 is approved according to Swedish safety regulations. Regulations outside Sweden may be different and must therefore be controlled
- For Small TILES no hold up struts are needed but for Large TILES struts might be needed

Illustration



A: Ceiling
B: Glue
C: BAUX Acoustic Wood Wool

Instructions

1. Before you start, read and follow the General Instructions on page 1, Guidelines for Glue Application on page 10 and the complete instruction below
2. Position and mark the start of the BAUX pattern on the ceiling
3. Put glue on the first piece and push it firmly towards the ceiling. You will be allowed to move the piece slightly on the surface to secure an exact positioning
4. Make sure to position the pieces very linear and accurate against each other. This is especially critical for triangular and parallelogram shapes, a smaller error in the beginning will grow successively cross the pattern
5. Use touch up paint to repair any damages occurred on BAUX products during installation

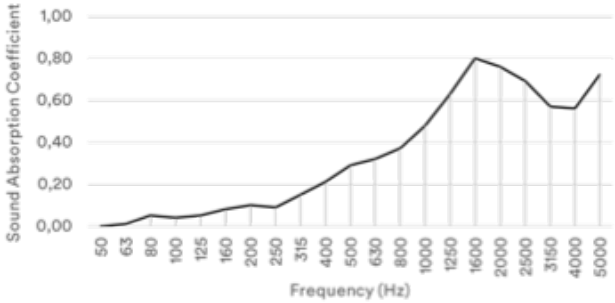
NOTE

i. Only use glue recommended by BAUX or a certified installation company
ii. An approved local ceiling installation company must verify method CG1 before usage
iii. The responsibility for recognizing and compensating for field conditions is with the installer

Acoustic Performance

αw	0.30 (H)
NRC	0.40
SAA	0.41
Class	D

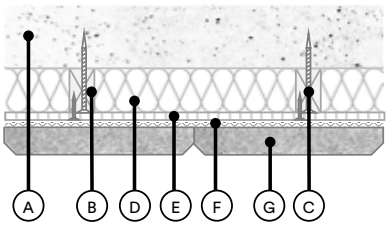
Sound absorption measured according to the reverberation room method (SS-EN ISO 354:2003) and evaluated according to SS-EN ISO 11654:1997



CG2 – Glue with Acoustic Stone Wool

- Recommended BAUX products to be installed with method CG2 are Small TILES except 3D Pixels. All Large TILES are also recommended except Large Rectangle and Large Parallelogram
- CG2 is approved according to Swedish safety regulations. Regulations outside Sweden may be different and must therefore be controlled
- For Small TILES no hold up struts are needed but for Large TILES struts might be needed
- With an Acoustic Stone Wool board behind BAUX Acoustic Wood Wool, the acoustic performance will be improved, especially for low frequency noise. The acoustic improvement for human voice frequencies compared to direct installation is more moderate.

Illustration



A: Ceiling
B: Wooden Beams
C: Screws (beams & plasterboard)
D: Acoustic Stone Wool, 40mm
E: Perforated Plasterboard
F: Glue
G: BAUX Acoustic Wood Wool

Instructions

1. Before you start, read and follow the General Instructions on page 1, Guidelines for Glue Application on page 10 and the complete instruction below
2. Install wooden beams on the ceiling with distance according to the size of the Acoustic Stone Wool panels. Select a type of screw according to each specific field condition, i.e. depending on the material of the ceiling. BAUX Acoustic Wood Wool weigh 11 kg/m2 = 2.25 lbs per ft2
3. Screw perforated plasterboards into the beams. Plasterboard perforation grade need to be higher than 17% in order to retain full acoustic effect from the stone wool behind
4. Glue BAUX products to the plasterboard according to installation method CG1
5. Use touch up paint to repair any damages occurred on BAUX products during installation

NOTE

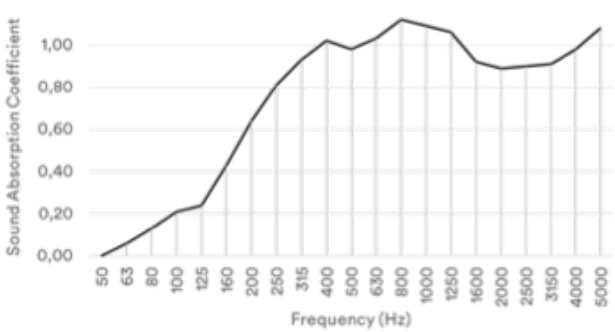
i. Only use glue recommended by BAUX or a certified installation company
ii. An approved local ceiling installation company must verify method CG2 before usage
iii. The responsibility for recognizing and compensating for field conditions is with the installer

Acoustic Performance

40mm Acoustic Stone Wool

αw	1.00 (H)
NRC	0.95
SAA	0.95
Class	A

Sound absorption measured according to the reverberation room method (SS-EN ISO 354:2003) and evaluated according to SS-EN ISO 11654:1997

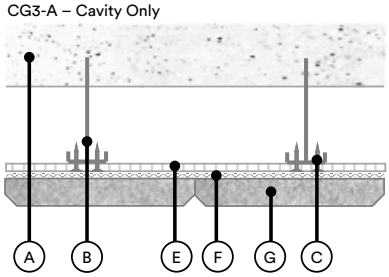


CG3 (A&B) – Glue with Suspended Ceiling (with or without Acoustic Stone Wool)

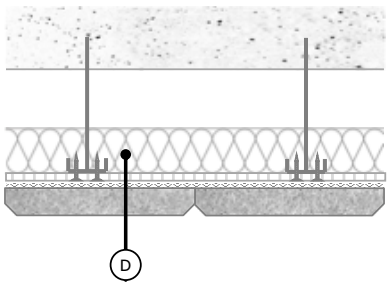
- Recommended BAUX products to be installed with method CG3 are Small TILES except 3D Pixels. All Large TILES are also recommended except Large Rectangle and Large Parallelogram
- CG3 is approved according to Swedish safety regulations. Regulations outside Sweden may be different and must therefore be controlled
- For Small TILES no hold up struts are needed but for Large TILES struts might be needed
- With an Acoustic Stone Wool board behind BAUX Acoustic Wood Wool, the acoustic performance will be improved, especially for low frequency noise. The acoustic improvement for human voice frequencies compared to direct installation is more moderate.

Illustration

CG3-A – Cavity Only



CG3-B – With Acoustic Stone Wool



A: Ceiling
B: Ceiling Grid System
C: Screws
D: Acoustic Stone Wool, 40mm
E: Perforated Plasterboard
F: Glue
G: BAUX Acoustic Wood Wool

Instructions

1. Before you start, read and follow the General Instructions on page 1, Guidelines for Glue Application on page 10 and the complete instruction below
2. Install a ceiling grid system according to the instructions from the manufacturer of the Ceiling Grid. BAUX can provide a system from CIPRIANI (http://www.ciprianidrywall.co.uk)
3. Screw perforated plasterboards into the ceiling grid. Plasterboard perforation grade need to be higher than 17% in order to retain full acoustic effect from cavity or stone wool behind
4. If installation is made according to CG3-B with Acoustic Stone Wool, place the stone wool successively during the installation on top of the perforated plasterboards
5. Glue BAUX products to the plasterboard according to installation method CG1
6. Use touch up paint to repair any damages occurred on BAUX products during installation

NOTE

i. Only use glue recommended by BAUX or a certified installation company
ii. An approved local ceiling installation company must verify method CG3 before usage
iii. The responsibility for recognizing and compensating for field conditions is with the installer

Acoustic Performance

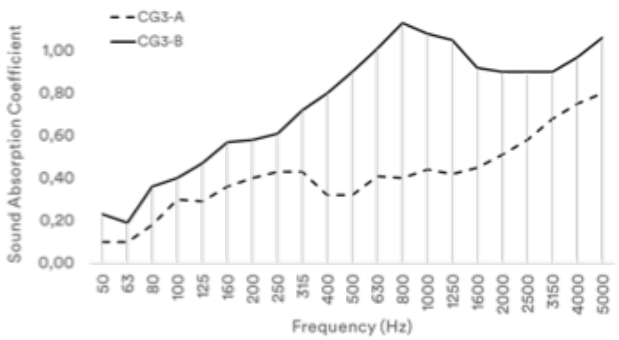
CG3-A (400mm cavity)

αw	0.50 (H)
NRC	0.45
SAA	0.46
Class	D

CG3-B (400mm cavity)

αw	0.90 (H)
NRC	0.90
SAA	0.91
Class	A

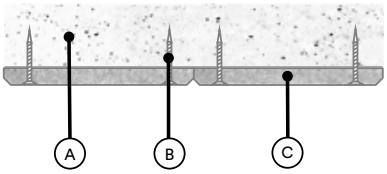
Sound absorption measured according to the reverberation room method (SS-EN ISO 354:2003) and evaluated according to SS-EN ISO 11654:1997



CS1 – Screw directly on the Ceiling

- Recommended BAUX products to be installed with method CS1 are PANELS and Large TILES
- Small TILES are easier to install with method CG1

Illustration



A: Ceiling
B: Screws
C: BAUX Acoustic Wood Wool

Instructions

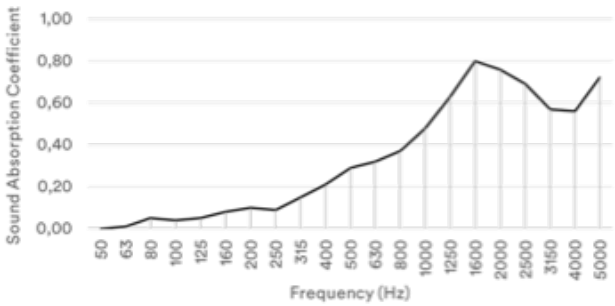
1. Before you start, read and follow the General Instructions on page 1, Guidelines for Screw positioning on page 10 and the complete instruction below
2. Position and mark the start of the BAUX pattern on the ceiling
3. Screw BAUX products to the ceiling, one-by-one and row by row. Make sure to position the pieces very linear and accurate against each other. This is especially critical for triangular and parallelogram shapes, a smaller error in the beginning will grow successively cross the pattern. Select a type of screw according to each specific field condition, i.e. depending on the material of the ceiling. BAUX Acoustic Wood Wool weigh 11 kg/m2 = 2.25 lbs per ft2
4. Use touch up paint to repair any damages occurred on BAUX products during installation

NOTE
i. The responsibility for recognizing and compensating for field conditions is with the installer

Acoustic Performance

αw	0.30 (H)
NRC	0.40
SAA	0.41
Class	D

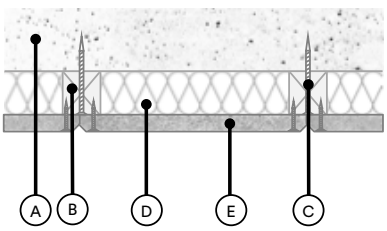
Sound absorption measured according to the reverberation room method (SS-EN ISO 354:2003) and evaluated according to SS-EN ISO 11654:1997



CS2 – Screw with Acoustic Stone Wool

- Recommended BAUX products to be installed with method CS2 are PANELS and Large TILES Square, Rectangle, Hexagon and Plank
- Small TILES are easier to install with method CG2
- With an Acoustic Stone Wool board behind BAUX Acoustic Wood Wool, the acoustic performance will be improved, especially for low frequency noise. The acoustic improvement for human voice frequencies compared to direct installation is more moderate.

Illustration



A: Ceiling
B: Wooden Beams
C: Screws
D: Acoustic Stone Wool, 40mm
E: BAUX Acoustic Wood Wool

Instructions

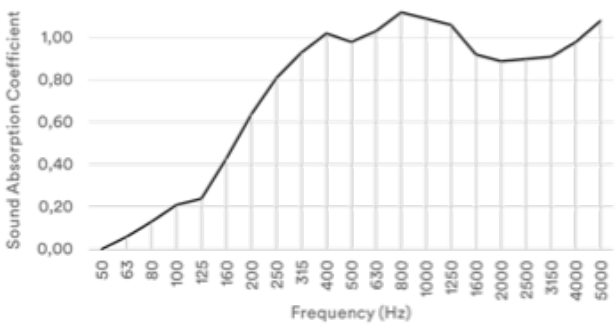
1. Before you start, read and follow the General Instructions on page 1, Guidelines for Screw positioning on page 10 and the complete instruction below
2. Install wooden beams with distance according to the Acoustic Stone Wool and selected type of BAUX product. Select a type of screw according to each specific field condition, i.e. depending on the material of the ceiling. BAUX Acoustic Wood Wool weigh 11 kg/m2 = 2.25 lbs per ft2
3. Screw BAUX products into the beams. Install one-by-one and row by row. Make sure to position the pieces very linear and accurate against each other. This is especially critical for triangular and parallelogram shapes, a smaller error in the beginning will grow successively cross the pattern
4. Use touch up paint to repair any damages occurred on BAUX products during installation

NOTE
i. The responsibility for recognizing and compensating for field conditions is with the installer

Acoustic Performance

αw	1.00 (H)
NRC	0.95
SAA	0.95
Class	A

Sound absorption measured according to the reverberation room method (SS-EN ISO 354:2003) and evaluated according to SS-EN ISO 11654:1997

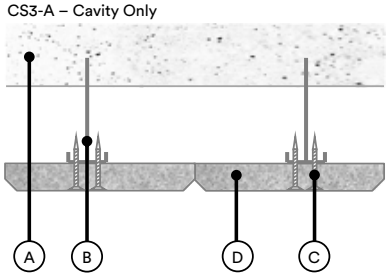


CS3 (A&B) – Screws with Suspended Ceiling (with or without Acoustic Stone Wool)

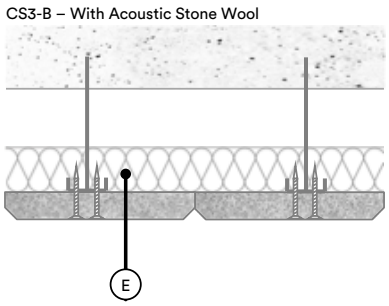
- Recommended BAUX products to be installed with method CS3 are PANELS and Large TILES Square, Rectangle, Hexagon and Plank
- Small TILES ,3D TILES and other Large TILES are easier to install with method CG3
- With an Acoustic Stone Wool board behind BAUX Acoustic Wood Wool, the acoustic performance will be improved. Select a type of screw according to specific field condition, i.e. depending on the material of the wall. BAUX Acoustic Wood Wool weigh 11 kg/m2 = 2.25 lbs per ft2
- With an Acoustic Stone Wool board behind BAUX Acoustic Wood Wool, the acoustic performance will be improved, especially for low frequency noise. The acoustic improvement for human voice frequencies compared to direct installation is more moderate.

Illustration

CS3-A – Cavity Only



CS3-B – With Acoustic Stone Wool



A: Ceiling
B: Ceiling Grid System
C: Screws
D: BAUX Acoustic Wood Wool
E: Acoustic Stone Wool, 40mm

Instructions

1. Before you start, read and follow the General Instructions on page 1, Guidelines for Screw positioning on page 10 and the complete instruction below
2. Install a ceiling grid system according to the instructions from the manufacturer of the Ceiling Grid. BAUX can provide a system from CIPRIANI (http://www.ciprianidrywall.co.uk)
3. Screw BAUX products into the Ceiling Grid System. The provider of the Ceiling Grid will be able to suggest right type of screws
4. Install the pieces, one-by-one and row by row. Make sure to position the pieces very linear and accurate against each other. This is especially critical for triangular and parallelogram shapes, a smaller error in the beginning will grow successively cross the pattern
5. Use touch up paint to repair any damages occurred on BAUX products during installation

NOTE

i. The responsibility for recognizing and compensating for field conditions is with the installer

Acoustic Performance

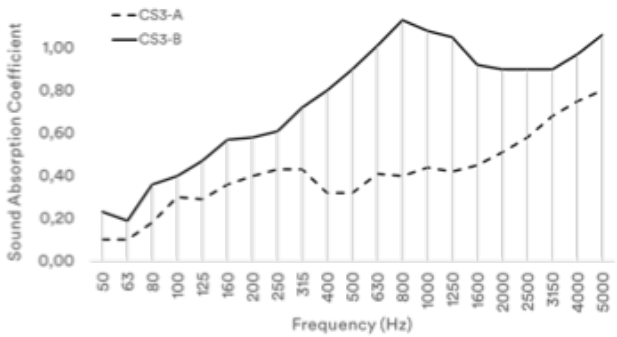
CS3-A (400mm cavity)

αw	0.50 (H)
NRC	0.45
SAA	0.46
Class	D

CS3-B (400mm cavity)

αw	0.90 (H)
NRC	0.90
SAA	0.91
Class	A

Sound absorption measured according to the reverberation room method (SS-EN ISO 354:2003) and evaluated according to SS-EN ISO 11654:1997

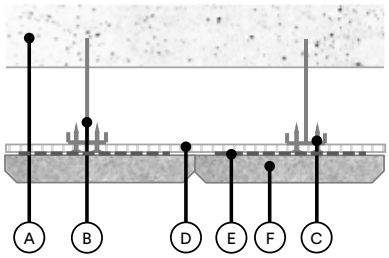


CM (A&B) – Magnets with Suspended Ceiling (with or without Acoustic Stone Wool)

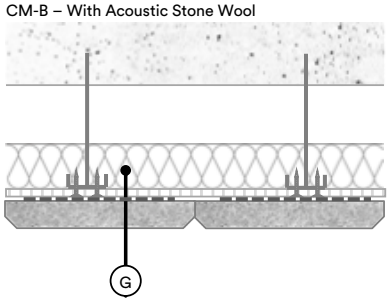
- Recommended BAUX products to be installed with method CM are Small TILES (except 3D PIXELLS). BAUX will prefix a magnet on the rear side of each piece
- CM is approved according to Swedish safety regulations. Regulations outside Sweden may be different and must therefore be controlled
- With an Acoustic Stone Wool board behind BAUX Acoustic Wood Wool, the acoustic performance will be improved, especially for low frequency noise. The acoustic improvement for human voice frequencies compared to direct installation is more moderate.

Illustration

CM-A – Cavity Only



CM-B – With Acoustic Stone Wool



A: Ceiling
B: Ceiling Grid System
C: Screws
D: Expanded Metal Sheets
E: Magnets
F: BAUX Acoustic Wood Wool
G: Acoustic Stone Wool, 40mm

Instructions

Preparation

1. Before you start, read and follow the General Instructions on page 1 and the complete instruction below
2. Measure and mark out the pattern position for your installation on the ceiling
3. Install a ceiling grid system according to the instructions from the manufacturer of the Ceiling Grid. BAUX can provide a system from CIPRIANI (http://www.ciprianidrywall.co.uk)
4. Screw expanded metal sheets to the ceiling grid, see detail below. Installer should follow best practices for construction and workmanship and select an appropriate screw and fixing type for each specific ceiling grid system
5. Install BAUX products towards the expanded metal sheets. Make sure to position the pieces very linear and accurate against each other. This is especially critical for triangular and parallelogram shapes, a smaller error in the beginning will grow successively further cross the pattern
6. If installation is made according to CM-B with Acoustic Stone Wool, place the stone wool successively during the installation on top of the expanded metal sheet
7. Use touch up paint to repair any damages occurred on BAUX products during installation

NOTE

- An approved local ceiling installation company must verify method CM before usage

Acoustic Performance

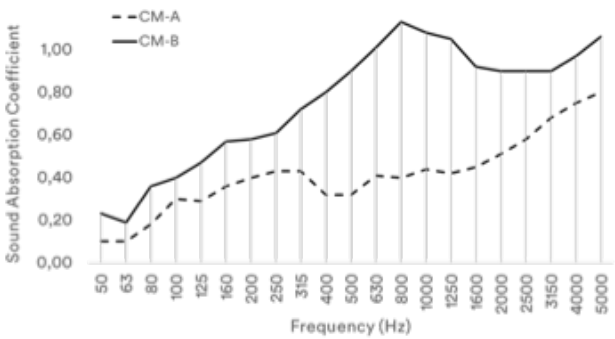
CM1 (400mm cavity)

αw	0.50 (H)
NRC	0.45
SAA	0.46
Class	D

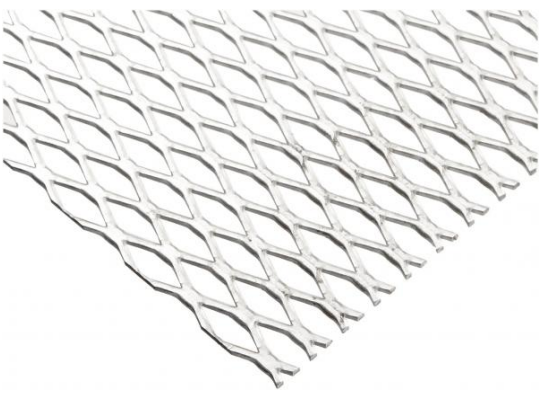
CM2 (400mm cavity)

αw	0.90 (H)
NRC	0.90
SAA	0.91
Class	A

Sound absorption measured according to the reverberation room method (SS-EN ISO 354:2003) and evaluated according to SS-EN ISO 11654:1997



Expanded Metal Sheet - Detail



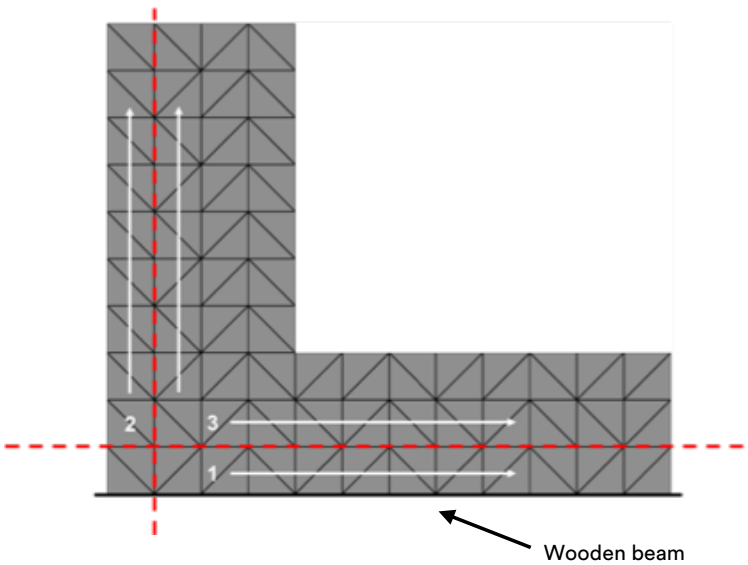
GENERAL TIPS, COMPLEX PATTERNS

MOUNTING PATTERNS

Instructions

Preparation

1. Start by organizing the tiles or panels according to colors, keep the packing paper between the tiles in order to reduce the risk for damage
2. Start with the bottom row (horizontal), mark it with a wooden beam or with a line to ensure it is straight. It is essential to get the first (bottom) row straight. If installing Large Rectangles it is a good idea to use screws on the first row (horizontal)
3. Continue with one vertical row, to create an L-shape, this will help to ensure correct pattern. Then continue with one row at a time, one horizontally and one vertically continuously.
4. When checking the pattern, follow the horizontal and vertical lines (See dashed line in illustration below for directions)
5. Important – make sure you put the tiles without space between, if necessary use a plank and a hammer to carefully push them together.



GUIDELINES FOR GLUE APPLICATION

Glue Application (See drawings to the bottom right)

1. Glue should be applied on the rear side of BAUX products with a distance between each glue string of max 100 mm ~ 4 inches
2. Glue string should be 5-8 mm in diameter ~0.20 – 0.3 inches
3. For all large TILES and PANELS, also put a surrounding string following the edge of each piece
4. See illustration below for Large and Small Rectangle/PANEL and Large and Small Hexagon TILES. Use same glue application principle for other shapes

NOTE

i. Only use glue recommended by BAUX or a certified installation company
ii. The responsibility for recognizing and compensating for field conditions is with the installer

Recommended glue

Pattex No More Nails	Casco Superfix	Loctite Premium Fast Grab
Henkel Corporation	Sika Sweden AB	Henkel Corporation
	Art. 3890 or 3891	Art. 1417170 or 1655973
VOC: 0,00 %/weight	VOC: 0.01 %/weight	VOC: <1,7%/weight

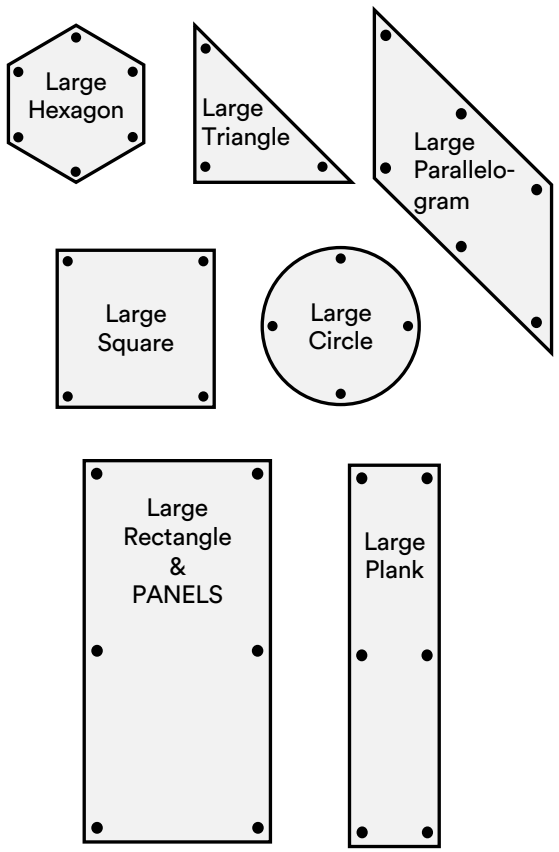
GUIDELINES FOR SCREW APPLICATION

Tips for screws for mounting

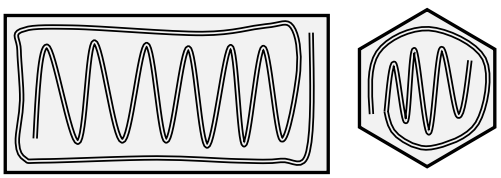
One rule of thumb is that the screw should be twice as long as the material you attach if you attach it to wood. It is also beneficial with a screw with wide and flat head.

Screw Positioning

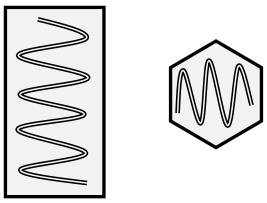
1. Only use screw installation for Large TILES (and 3D Pixel tiles if glue cannot be used)
2. The screws should be inserted min 20mm ~1 inch from the edge of the piece
3. BAUX can provide screws but screws should be selected according to each specific field condition, i.e. depending on the material of the installation wall or ceiling



Glue application – Large Tiles/Panels



Glue application – Small Tiles/Panels



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