

www.bocoustic.com

BOCOUSTIC
beyond acoustics by Bowiq

The **specialist** in sustainable
acoustical ceiling solutions



BOWIQ
beyond acoustics

Europe, Middle East & Asia

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BoCoustic

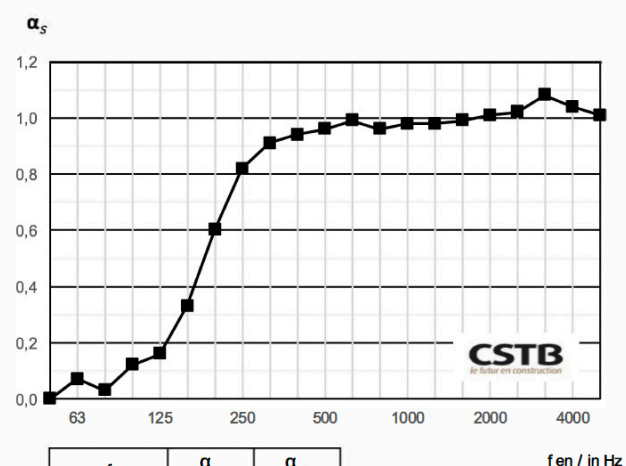
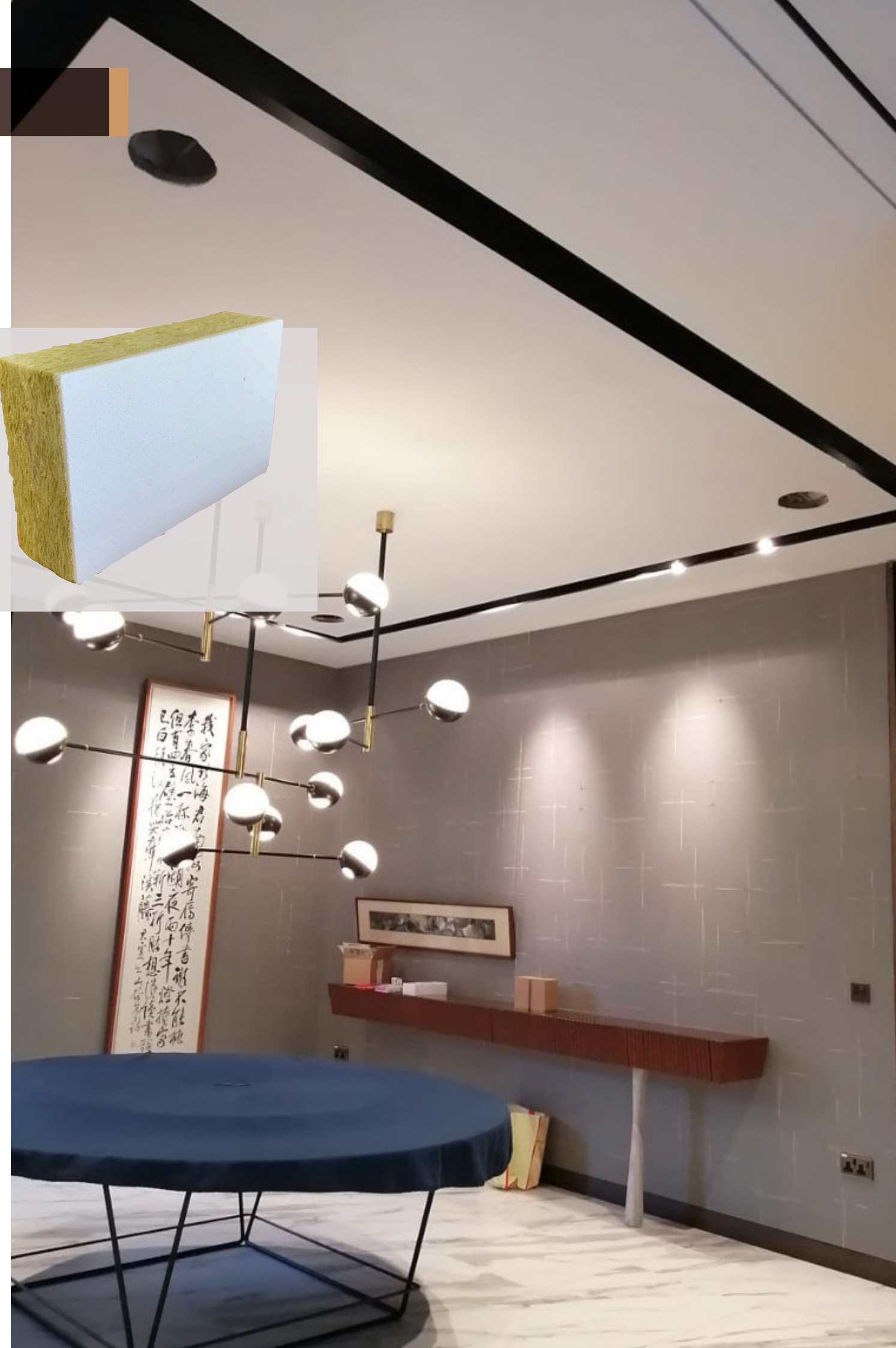
Introducing BoCoustic, the pinnacle of acoustical excellence. Engineered to perfection and tested rigorously to meet the highest standards, BoCoustic stands as a testament to innovation and quality.

With certifications including:

- ASTM E84 Fire rating: Class A
- ISO 354 & ASTM C423: Class A

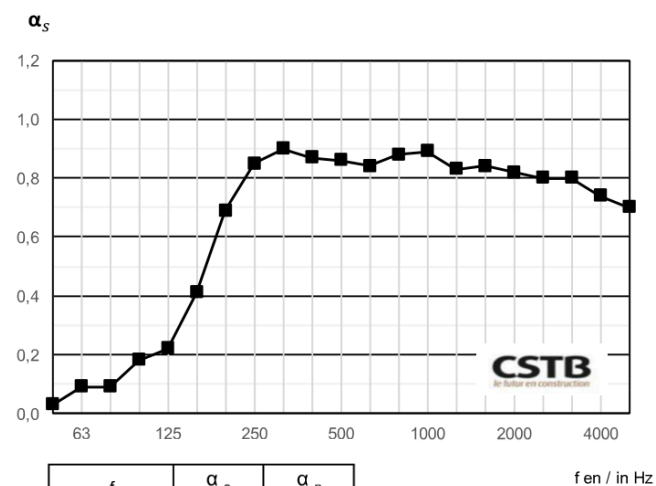
Our plaster system not only enhances the aesthetic appeal of your space but also ensures unparalleled sound absorption.

Elevate your environment with BoCoustic
 “where superior acoustics meet uncompromising quality”.



f	α_s	α_p
50	0,00	
63	0,07	0,05
80	0,03	
100	0,12	
125	0,16	0,20
160	0,33	
200	0,60	
250	0,82	0,80
315	0,91	
400	0,94	
500	0,96	0,95
630	0,99	
800	0,96	
1000	0,98	0,95
1250	0,98	
1600	0,99	
2000	1,01	1,00
2500	1,02	
3150	1,08	
4000	1,04	1,00
5000	1,01	

$\alpha_w = 1,00$
 classement / class : A



f	α_s	α_p
50	0,03	
63	0,09	0,05
80	0,09	
100	0,18	
125	0,22	0,25
160	0,41	
200	0,69	
250	0,85	0,80
315	0,90	
400	0,87	
500	0,86	0,85
630	0,84	
800	0,88	
1000	0,89	0,85
1250	0,83	
1600	0,84	
2000	0,82	0,80
2500	0,80	
3150	0,80	
4000	0,74	0,75
5000	0,70	

$\alpha_w = 0,85$
 classement / class : B

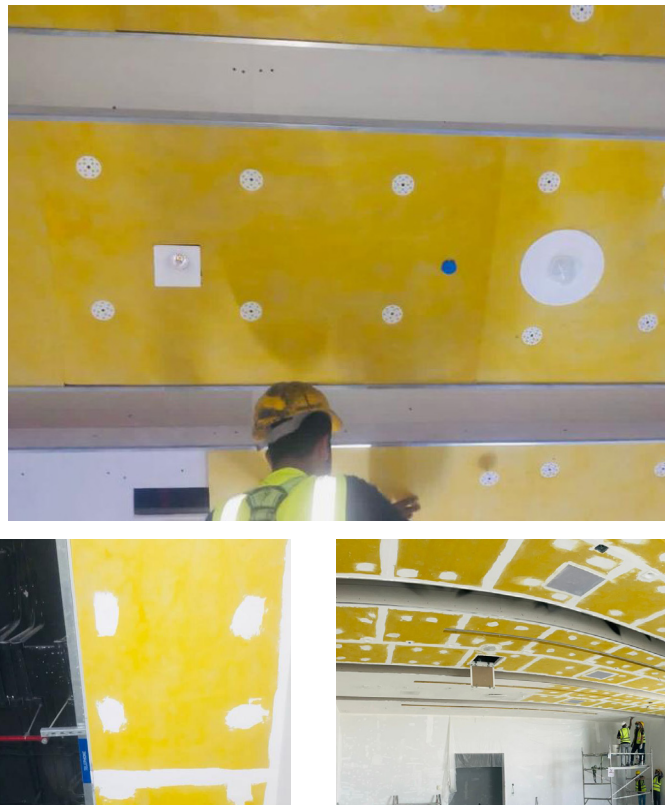
Installation

1. Adequate supports already in place



2. Acoustic Panels

The panels are installed on a gypsumboard, as flat as possible, avoiding large gaps between the joined plates: Installation by gluing using a suitable glue or fixing with screws and special washers. Seams are repaired with with BoCoustic plaster: To find a smooth and flat surface (use a spatula)



3. BoCoustic Base

Using the spraying machine chosen according to our recommendations, apply even coat of BoCoustic Base (thickness approximately 2-3mm, i.e. 1-1,5m²).



4. BoCoustic Base Smoothing

Lightly to homogenize the surface.



5. Drying

6. BoCoustic Finish

Using the spraying machine chosen according to our recommendations, apply 1 regular layer of BoCoustic Finish (thickness approximately 2-3mm, i.e. 1-1,5m²).



7. BoCoustic Finish Smoothing

Using a smoothing blade, flatten immediately after spray, until the desired finish.



8. Drying

9. Sanding

For a smooth and uniform rendering of the surface, sand lightly.

Use a rotary sander with suction to evacuate the dust, grit 220 or less for a perfect result.



LEED® Credits



LEED (Leadership in Energy and Environmental Design) is a green building certification program that provides third-party verification of a building's sustainability and environmental impact. LEED v4 is the latest version of the program, which was introduced in 2013.

For example, the use of high-performing insulation, such as acoustic plaster, can help reduce a building's energy consumption and greenhouse gas emissions, contributing to the Energy & Atmosphere credit. Additionally, the use of recycled materials in the production of acoustic spray insulation can contribute to the Materials & Resources credit.

In terms of Indoor Environmental Quality, acoustic plaster can help improve the acoustical performance of a building, reducing noise transmission and contributing to a more comfortable and productive indoor environment.

To achieve LEED certification, building projects must earn a minimum number of credits across several categories, including Energy & Atmosphere, Materials & Resources, and Indoor Environmental Quality. The specific number of credits required depends on the specific rating system (e.g. LEED for New Construction, LEED for Existing Buildings, etc.) and the type of building (e.g. residential, commercial, etc.).



BOWIQ
beyond acoustics

Date: February 20, 2024

LEED® Contribution Points V4

Product: BoCoustic

MATERIALS AND RESOURCES (MR)

CREDIT 1 Building Life-Cycle Impact Reduction [5 points]

Acoustical Plaster: In a skim-coating application, plaster can benefit the salvage of interior walls and ceilings in need of repair. The BoCoustic system has been tested for durability in terms of flame spread resistance (ASTM E84). Further, the BoCoustic system can be non-destructively repaired making it a durable and lasting solution.

CREDIT 4 - Building Product Disclosure and Optimization - Material Ingredients [2 points]

The entire product assembly information is available via the Health Product Declaration (HPD).

Indoor Environmental Quality (IEQ)

Credit 2 - Low-emitting materials [3 points]

- a. Option 1 - Product Category Calculations (3 points)
- Low emitting materials - Interior paints and coatings applied on site

Credit 9 - Acoustic performance [3 points]

- a. Reverberation time
 - Sound absorption as per ISO 354, EN 20354 & EN ISO 11654 & Sound absorption as per BS EN ISO 354, 2003
 - o 40mm directly installed - NRC 0.85

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Ceilings in color

COLOR TRENDS FOR CEILINGS IN GENERAL

When it comes to color trends for ceilings, the most popular colors are generally those that are neutral and have a calming effect.

This is because the ceiling is a large surface area in a room and a bold color on the ceiling can be overwhelming. Some popular colors for ceilings include:

White:

A classic choice that creates a clean and fresh look.

Beige:

A warm and neutral color that blends well with other colors in the room.

Light gray:

A modern and sophisticated color that can add depth to a room.

Light blue:

A soothing color that can create a sense of calm and tranquility.

Light green:

A color that can bring a touch of nature to a room and create a sense of peace.

Different colors

Dark and moody colors such as deep blue, navy, and charcoal gray, which can create a sense of drama and elegance in a room.

Bright and vibrant colors such as yellow, orange, and pink, which can add a playful and energetic touch to a space.

Neutrals such as beige, gray, and white, which can provide a blank canvas for other colors in the room and create a sense of calm.

Earthy and natural colors such as terracotta, clay, and olive green, which can create a sense of warmth and connection to nature.

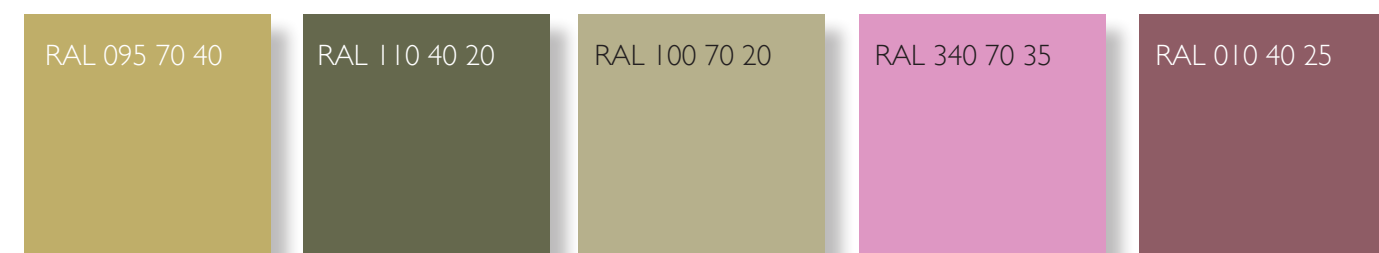
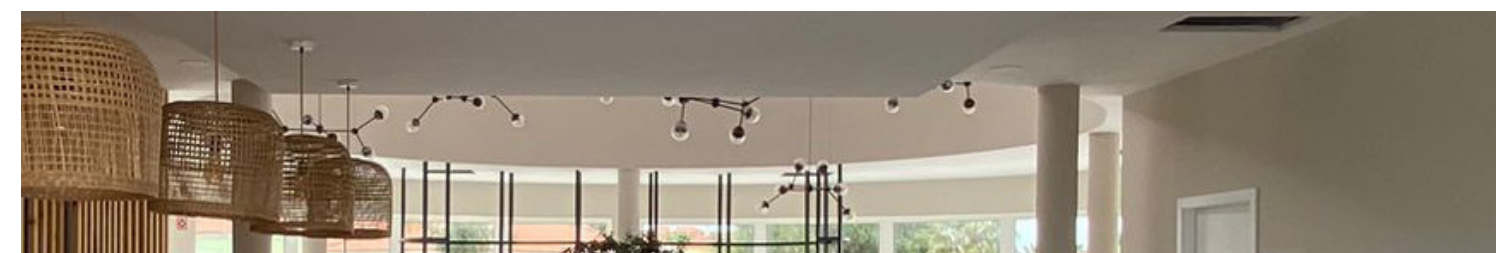
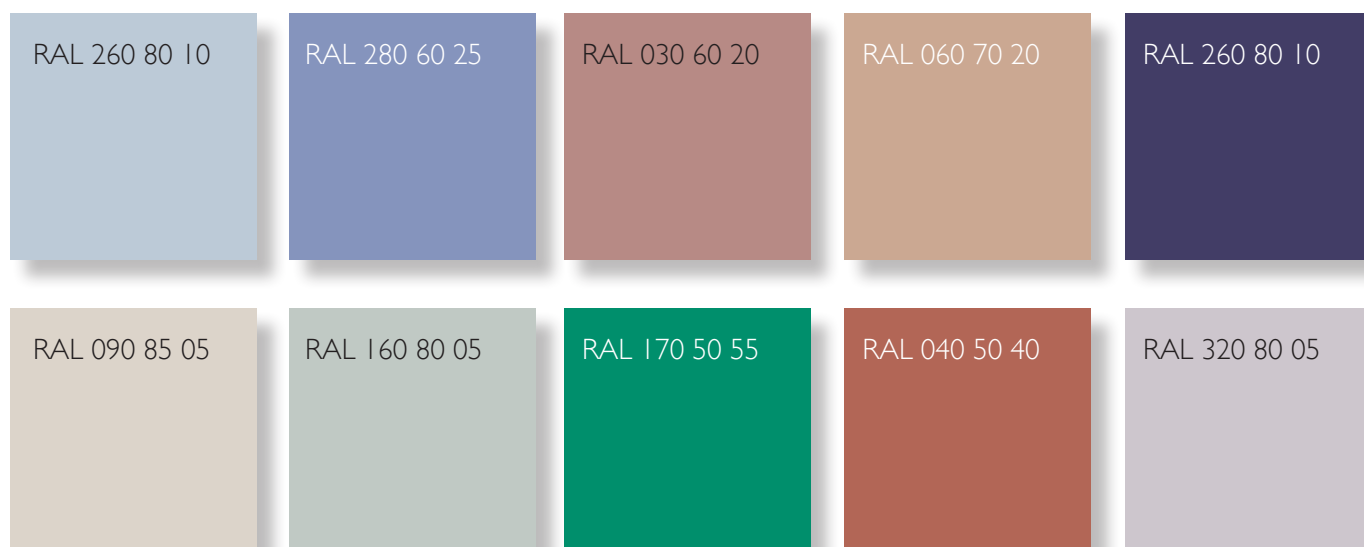
Pastel shades such as lavender, pink and mint, which can create a sense of serenity and softness.

Metallic shades such as silver and gold, which can add a touch of luxury and glamour to a room.

It's worth noting that color trends for ceilings may change based on the current situation and cultural influences, so it's always good to keep an eye on the latest developments in the field and adapt accordingly.

Keep in mind

It's important to note that when choosing a color for the ceiling, it's best to consider the overall design and color scheme of the room, and how the color will complement other elements in the space.

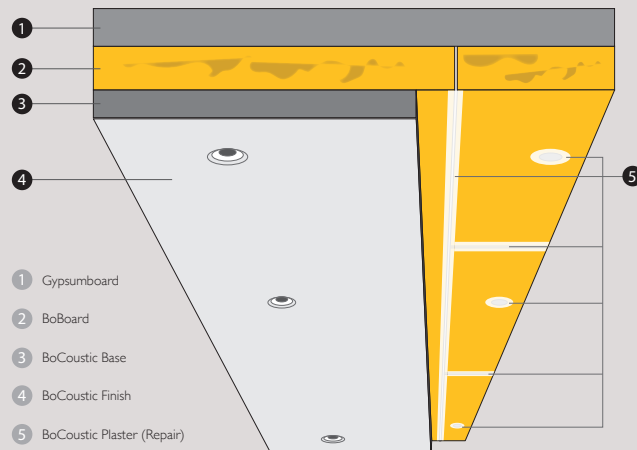


Product data

PRODUCT: BOCOUSTIC PLASTER SYSTEM

DESCRIPTION:

A smooth seamless acoustical plaster system.



PROPERTIES:

Panel material

- The board consist of natural fiberglass or stone wool.
- Low flame spread according to EN 13501-1 (A2)

Plaster material (BoCoustic Plaster)

- Easy application.
- Used for spot repairs

Plaster material (BoCoustic Base)

- Easy application.
- Applied as a base coat over the BoBoard.
- NRC value of the system is determined by the selection of the acoustical panel

Plaster material (BoCoustic Finish)

- Easy application.
- Applied over the BoCoustic Base.

Key features

- Excellent acoustical properties
- Water-based
- Colours: White and every RAL color
- Gloss: matt

Sustainability:



BREEAM®



Please contact us or visit our website to request more information about the above.

Applications

Both new constructions and renovations, as long as the acoustic experience plays an important role.
For instance: Community spaces, classrooms, restaurants, sports, auditoriums, car parks, offices, swimming pools, etc.

Fire-resistant class

Classification: ASTM E84 Class A.

Acoustics

Layer thickness	NRC
40 mm	0.85



Where we are

- Head office
- Sales office
- Partners
- Factory

