

Ecophon® FADE™

Seamless Acoustic Plaster

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Acoustics, technical properties
and installation diagrams



The Fade system is a premium acoustic plastering solution designed to effectively absorb unwanted noise.

Applied via spraying technique this system provides superior acoustic control with a smooth surface finish.

Its seamless application offers a discrete alternative to traditional modular acoustic solutions.





A SOUND EFFECT

On People

CertainTeed contributes to good indoor environments for working, healing and learning. We do this by developing, manufacturing and delivering acoustic products and systems designed around the natural evolution of human hearing — replicating the outdoor sound experience indoors, because that's just better for people.

Having a sound effect on people, in every way we can, is what we do proudly. That promise makes every one of us a passionate advocate for the importance of room acoustics to people's wellbeing — whatever the space, activity or need.

Fade sound-absorbing substrate is made with 65% post-consumer recycled content mainly from recycled glass bottles and jars.

Our products are very durable, highly UV and humidity resistant, anti-static and can be recoated. This helps to reduce the building's life-cycle impact.



Towards

NET-ZERO ACOUSTICS

Sustainability is more than a word – it's a collective movement to protect people and the planet that requires honest commitment and genuine care. That's why Saint-Gobain is building on better materials, transparency, and principles, to name just a few.

We actively support an industry-wide drive to standardized, easy-access Environmental Product Declarations for individual products, rather than product families. Their inclusion of full lifecycle data, from raw material sourcing to end of life, rather than only the favorable stages. A move away from self-declared labels, or non-independently verified sustainability claims. And for any promises of net zero carbon emission targets to be validated by the Science-Based Targets initiative.

If we're going to build a sustainable future, it has to start with an honest approach, high ambition and the best of intentions – to build on better together.

Ecophon® FADE™

Fade brings together aesthetic appeal with acoustic performance, catering perfectly to a broad spectrum of settings including historic buildings, upscale residences, commercial establishments, retail, and educational institutions.

Fade embodies a commitment to innovative design, sustainability, and superior acoustic functionality.

ECOPHON FADE

- NRC 0.80 to 0.90*
- Smooth seamless acoustic plaster ceiling
- Quick and easy installation

* Fade with 1-1/2" acoustic board. To achieve the acoustic performance outlined in the product data sheets you must respect the instructions in the installation guides for Fade, both documents available on [certainteed.com](https://www.certainteed.com)



DISCOVER THE POSSIBILITIES WITH FADE

Experience a new era of acoustic solutions with the flexible Fade acoustic plaster system.

With its adaptable application, the Fade system can be installed on surfaces including straight and curved ceilings to dramatic angles and arching domes.

- **Straight and curved ceilings**
- **Inorganic, perlite based acoustic plaster. Highly durable and stable to UV**
- **Acoustic plaster also in joint filling, maximizing the acoustic area**
- **Custom colors with Fade Color Dye (installed with fine texture only)**

DISCOVER THE VERSATILITY OF FADE PLASTER SOLUTIONS

Customize Fade acoustic plaster with your choice of custom color options. The solution offers a wide range of design possibilities.



NOTE

Colors may vary slightly between different production batches. Reproduction of colors vary between print and reality. Installed with a fine texture only.





CURVES, VAULTS & DOMES

can be integrated into
the acoustic design



CertainTeed collaborates with accredited and

WELL-RENOWNED LABORATORIES

to perform acoustic tests on all products,
ensuring your wellbeing

GOOD ACOUSTICS

Matter Everywhere

Our promise "A sound effect on people" is the core backbone of everything we do. Our products meet the reverberation time requirements set out in the LEED reference standard.

Sound impacts us in daily life, and the scientific support for improving our indoor sound environments is well-documented.

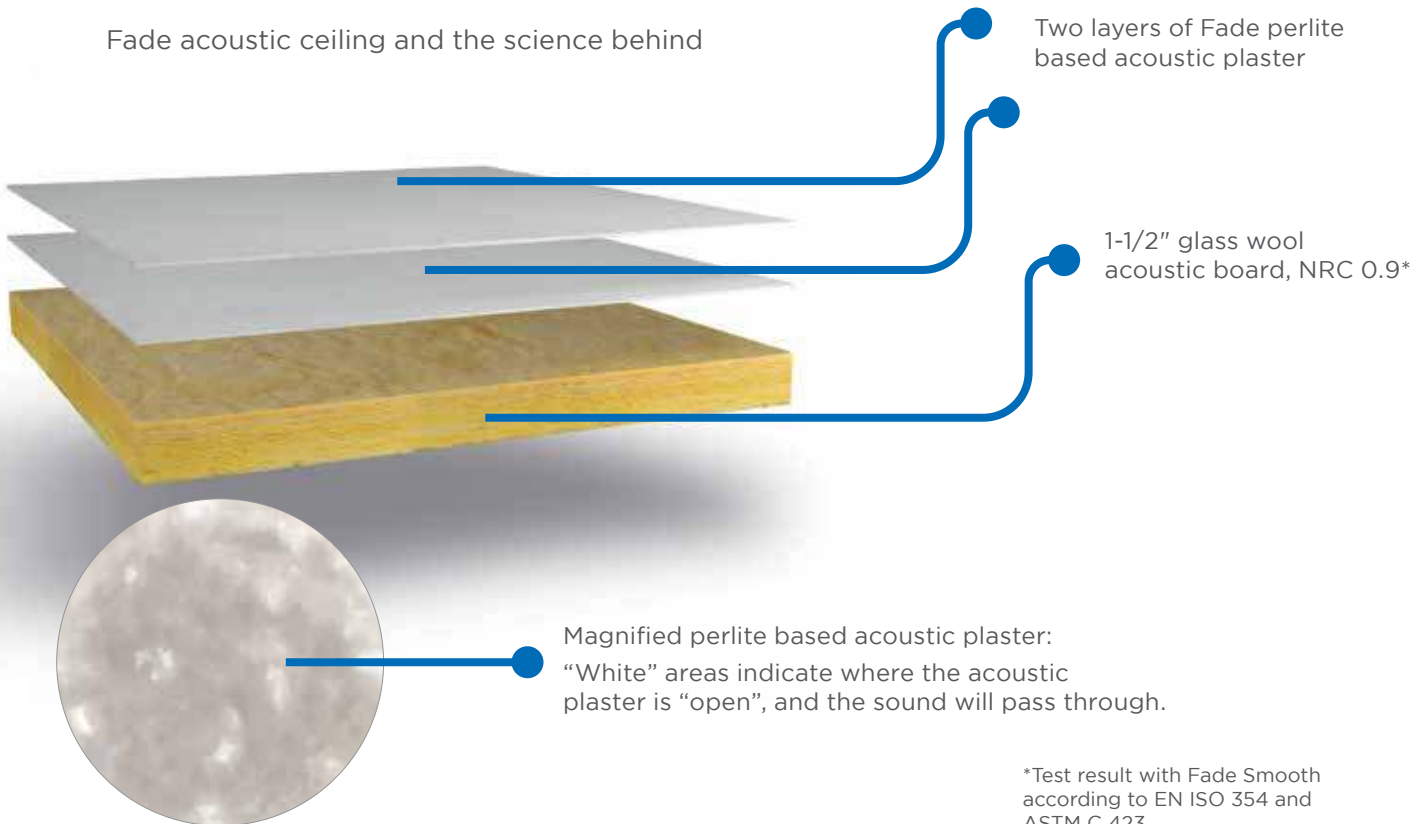
And what exactly is an ideal indoor sound environment for people? One based on how we experience sound outside. The human auditory sense is naturally adapted to an outdoor environment where there is not any sound reflections from ceilings and walls.

That's why most of what we do at CertainTeed is about replicating the acoustic qualities found in nature for indoor environments. We want to optimise indoor spaces to our natural way of hearing, so that speech and sound is easy to hear and understand, when needed, improving performance and wellbeing.

Usually that starts with the ceiling. A wall-to-wall acoustic ceiling is the easiest way to get a large sound-absorbing surface area into a space, and is usually the best way to reduce sound strength, shorten reverberation times, and increase speech clarity and overall hearing comfort.

HOW DOES IT WORK?

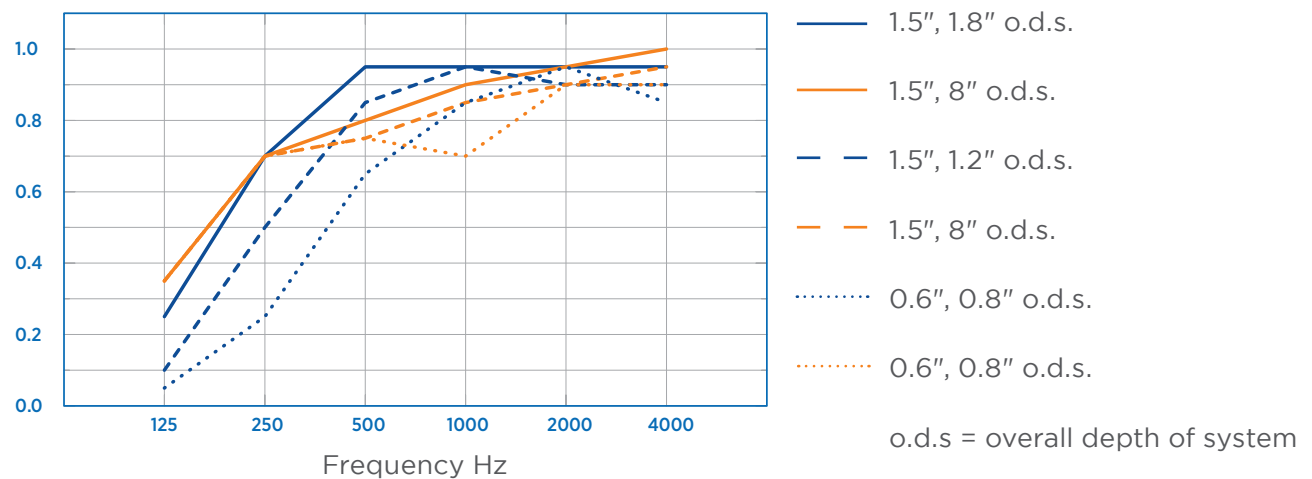
Fade acoustic ceiling and the science behind



SOUND ABSORPTION

Test results according to EN ISO 354. Classification according to EN ISO 11654, and the single value rating for Noise Reduction Coefficient, NRC, according to ASTM C 423.

α_p , Practical sound absorption coefficient

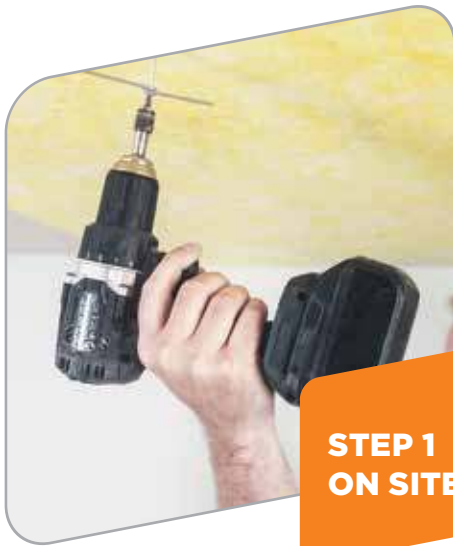


FADE™

Smooth Sanded Finish

INSTALLATION TIMELINE

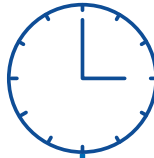
A step-by-step guide to installing the Fade acoustic plaster system.



STEP 1 ON SITE

INSTALL THE FADE ACOUSTIC BOARDS. FILL JOINTS, WASHERS AND IRREGULARITIES

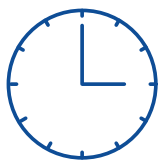
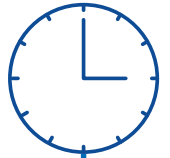
The acoustic boards are installed with adhesive or screws and Fade Special Washers. Joints are taped with Fade Special Tape. Joints, washer gaps and irregularities are filled with Fade plaster. Plaster consumption 0.18 lbs/ft².



STEP 3 ON SITE

SPRAY FIRST LAYER

Lightly sand the fillings to get an even surface. Spray the first layer of Fade. Smooth the surface with a wide trowel. Plaster consumption 0.18 lbs/ft².



STEP 2, 4 & 6

LET THE PLASTER DRY FOR AT LEAST 24 HOURS

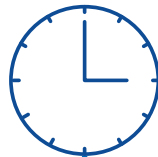
The drying time of the Fade Acoustic Plaster depends on the room temperature and the room humidity. In hot and dry conditions, the drying may take less time. Please allow the acoustic plaster to dry thoroughly before proceeding to the next steps.



STEP 5 ON SITE

SAND THE FIRST LAYER. SPRAY THE 2ND LAYER WITH FADE ACOUSTIC PLASTER

Once the first layer of acoustic plaster is completely dry, sand the entire surface. The second layer of acoustic plaster is sprayed. Smooth the surface with a wide trowel. Plaster consumption 0.18 lb/ft².



STEP 7 ON SITE

SANDING

Once the second layer of acoustic plaster is completely dry, sand the entire surface for a smooth finish. Total thickness of acoustic plaster full installation: 1/16".

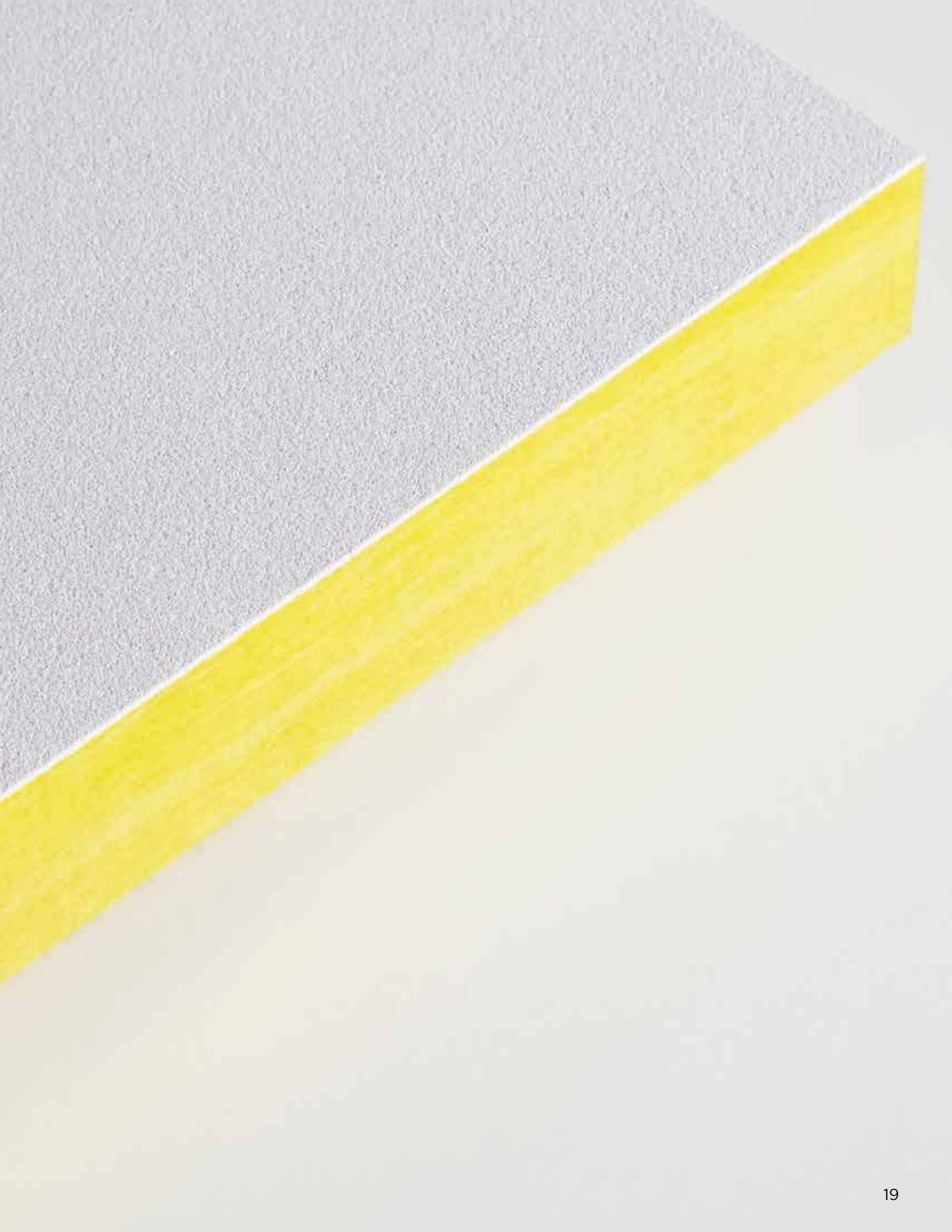
Please note, the timeline serves as orientation, lists the necessary work steps and defines the minimum amount of time that must be taken into account.

A thicker plaster layer (compared to the recommended thickness of 1/16") may be applied to achieve a smoother aesthetic and visual finish. However, this may reduce the acoustic performances of the product.

SYSTEM

Properties

ACOUSTICS, TECHNICAL PROPERTIES
AND INSTALLATION DIAGRAMS



ECOPHON® FADE™

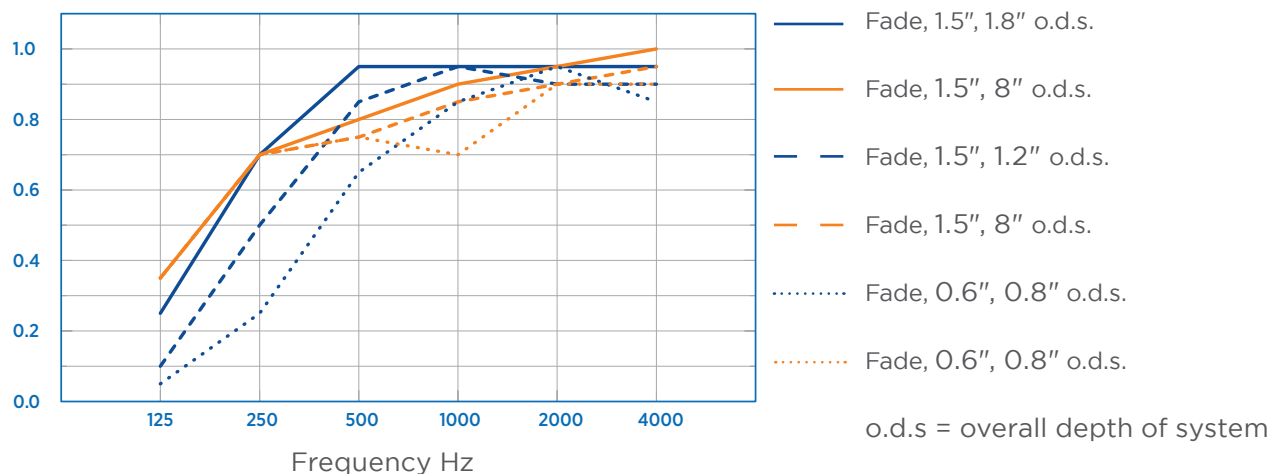
ACOUSTICS

When installed on suspended plasterboard the sound absorption is the same as with a direct installation (o.d.s 0.8"/1.2"/1.8"). Non-optimal application of the product could derive in material consumptions higher than the recommended and thus decrease the acoustic properties.

SOUND ABSORPTION

Test results according to EN ISO 354. Classification according to EN ISO 11654, and the single value ratings for Noise Reduction Coefficient, NRC and Sound Absorption Average, SAA according to ASTM C 423.

α_p , Practical sound absorption coefficient



Thickness in.	O.D.S. in.	α_p , Practical sound absorption coefficient						α_w	Sound absorption class
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz		
1.5"	1.8"	0.25	0.70	0.95	0.95	0.95	0.95	0.95	A
1.5"	8"	0.35	0.70	0.80	0.80	0.95	1.00	0.90	A
1"	1.2"	0.10	0.50	0.85	0.85	0.90	0.90	0.80	B
1"	8"	0.35	0.70	0.75	0.75	0.90	0.95	0.85	B

Thickness in.	O.D.S. in.	NRC	SAA
1.5"	1.8"	0.90	0.89
1.5"	8"	0.85	0.84
1"	1.2"	0.80	0.80
1"	8"	0.80	0.79

INDOOR AIR QUALITY

VOC EMISSIONS

Independently certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.2, 2017.

SAFETY

The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182. Fire test, ASTM E84-11a. Europe: EN 13501-1, A2-s1, d0

HUMIDITY RESISTANCE

Resistance to Humidity (RH 100%, 104°F) - ISO DS/EN 6270-2

VISUAL APPEARANCE

White NCS S 1002-Y20R, 0.73 light reflectance. Gloss < 1. Colors may vary slightly between different production batches

CLEANABILITY

Surface dust and dirt can be cleaned with a soft, dry brush or compressed air.

ACCESSIBILITY

The system supports installation of inspection hatch.

INSTALLATION

Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see specification. When installing direct-to-grid the installer must ensure that the building is airtight to prevent dust deposits from airflow through the openpored acoustic plaster system.

SYSTEM WEIGHT

The weight of the system (including suspension grid) should be approximately 6.6 - 15.4 lb/ft² for the direct fixed mechanical or glued. App. 11 - 17.7 lb/ft² for direct mechanical installation to suspended grid system. For system mechanical or glued to plasterboard fixed to suspended grids app. 31 - 40 lb/ft².

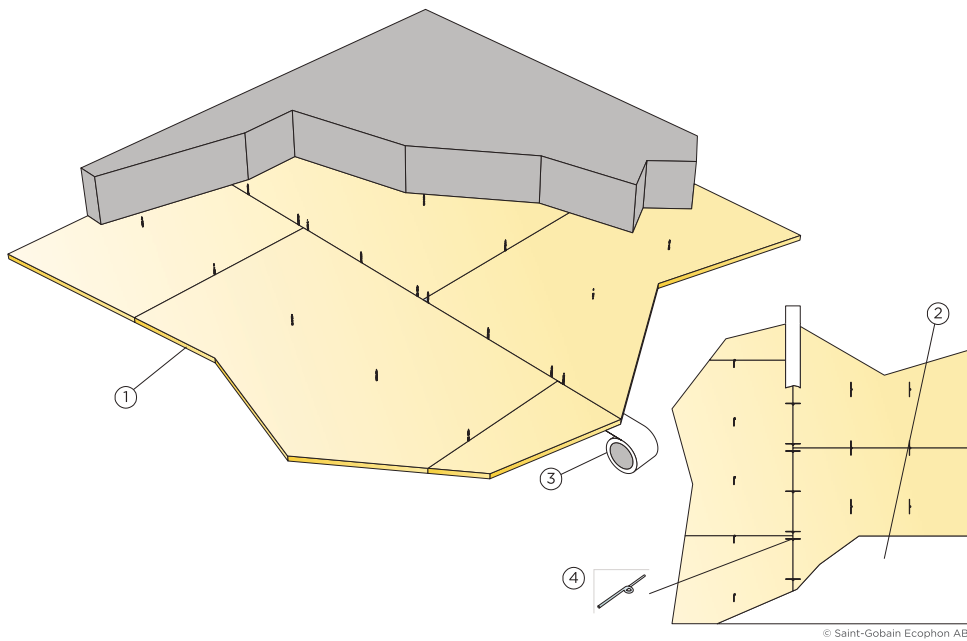
MECHANICAL PROPERTIES

Additional load (lighting, ventilation, etc.) should be supported by the suspension system according to the manufacturers recommendation or be hung directly from the soffit.

INSTALLATION DIAGRAM IN DETAIL

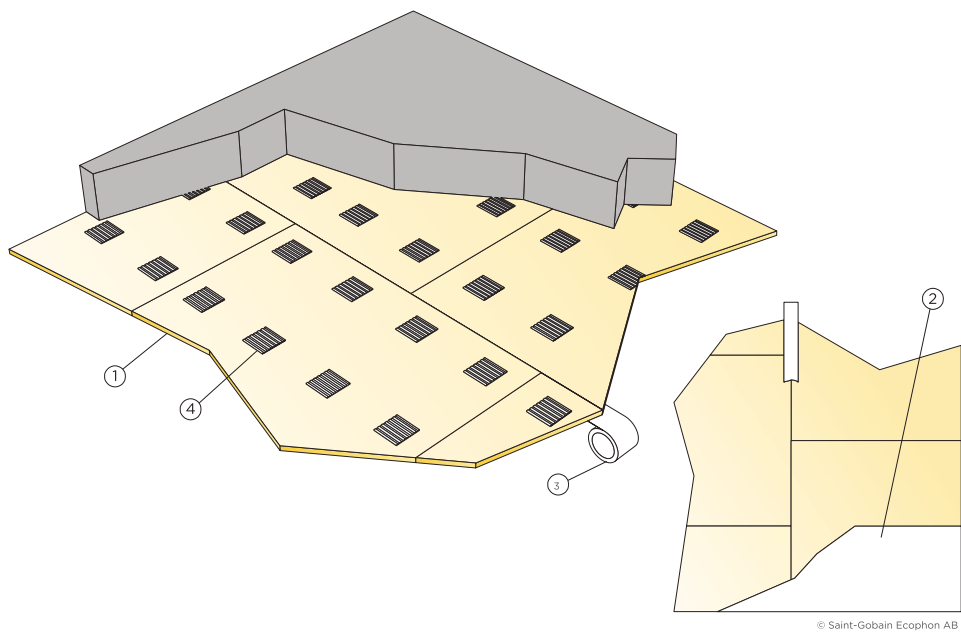
MECHANICALLY FASTENED APPLICATION

Installation diagram for Ecophon Fade direct fixation, mechanical



ADHESIVE/GLUED APPLICATION

Installation diagram for Ecophon Fade direct fixation with glue



For Direct to Grid installation information, please consult your CertainTeed Representative





CertainTeed is the leading supplier of indoor acoustic solutions that improve working performance and quality of life. We believe in the difference sound can make to our everyday lives, and are passionate advocates for the importance of room acoustics to people's wellbeing — whatever the space, activity or need.



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20 Moores Road
Malvern, PA 19355
800-233-8990
certainteed.com

