



I C O U S T I C

icoustic fade®

Method statement:

For all icoustic fade® systems

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1. Introduction

The icoustic fade® Acoustic Plaster system is a high-quality acoustic plastering system that absorbs unwanted noise in a wide-range of environments. As an acoustic plaster solution spray applied to walls and ceilings, its highly absorbent quality allows for optimum acoustic control in large, commercial spaces.

The icoustic fade® Acoustic Plaster System can be applied on virtually any surface including straight and curved walls, dramatic angles and arching domes offering a more flexible, discreet alternative to traditional acoustic solutions, such as suspended ceilings.

Bringing together high-value aesthetics and acoustic performance, the icoustic fade® Acoustic Plaster System is well-suited to a wide-range of developments, from historic buildings to high-end residential, commercial, retail and educational spaces.

We kindly remind you that this method statement is a general guide on how the system is installed and specific technical advice is recommended before proceeding with any transaction.

Full technical information is available from your local icoustic fade® approved installer or from icoustic fade® Acoustic ceilings.

Please note that the icoustic fade® acoustic plaster system can only be installed by icoustic fade® approved installers.

2. Conditions for Installations

General information:

The icoustic fade® Acoustic Plaster is inorganic and can be left in the plaster pump up to 2 weeks between sprayings. If the acoustic plaster is left in the plaster pump please ensure prior to spraying that the plaster pump and nozzle are free of rust and dirt.

In general, the icoustic fade® Acoustic Plaster System is flexible and there is no need for expansion joints. However, if the acoustic plaster ceiling area is big, if the building is under much structural stress or the substrate has expansion joints it is recommended that the icoustic fade® Acoustic Plaster System has expansion joints.

The installation of icoustic fade® Acoustic Plaster System can be paused and continued again. There is no need to install a given area per day. However, if the acoustic boards have been installed the 1st layer of acoustic plaster must be applied immediately and without pauses.

The installer must ensure that:

- The project site is properly heated (if the installation takes place in cold climates) and that the project site can be dehumidified if necessary (if the installation takes place in a hot and humid climate). It is not recommended that installation is carried out in temperatures below 1°C.

Note:

In cold or humid conditions, the acoustic plaster will have a longer drying time and in some cases the joints can crack due to the plaster drying from the „inside“ and out.

- The acoustic boards are being protected from direct sunlight prior to the application of the acoustic plaster.

Note:

Once the acoustic boards are installed please apply the acoustic plaster immediately to prevent any problems.

- The building is watertight to prevent any water leaks destroying the acoustic plaster system.
- The building or the construction between floors are airtight to prevent dust deposits from airflow if the acoustic board are installed direct-to-grid.
- The substrate is tested for bond strength and suitable for installation.

Note:

If installation of the substrate (metal grid, plasterboard etc.) is done by others the installer must ensure that the substrate is acceptable and completely even.



3. Standard finishes

icoustic fade® Acoustic PLUS+

Item nr. 14713

An ultra-smooth finish

- 1 unit:
1 bag containing 13,3 l
- Usage per m2:
Approx. 5 l
- Effect per unit (13,3 l):
Approx. 2,5-3 m²
- Grain size:
0,7 mm
- Standard color:
NCS S 0300-N / RAL 9010
- Shelf-life
12 months



icoustic fade® Acoustic Albus+

Item nr. 14711

A smooth finish

- 1 unit:
1 bag containing 10 kg
- Usage per m2:
Approx. 4 kg
- Effect per unit (13,3 l):
Approx. 2,5 m²
- Grain size:
2 mm
- Standard color:
NCS S 0500-N / RAL 9016
- Shelf-life
12 months



4. Types of installation

Direct installation

The acoustic board is installed directly onto a plasterboard, concrete or timber substrate with either approved adhesive or mechanically fixed with special icoustic fade® washers.

If the acoustic boards are installed using adhesive, please test the substrate for bond strength and clean the substrate prior to the installation. It is the installers responsibility to ensure that the substrate is suitable for the use of adhesive as a fixing method.

Direct-to-grid

The acoustic board is installed directly to a MF metal drywall grid system 400 mm c/c or similar with the specific icoustic fade® washers.

Installing direct-to-grid the installer must ensure that the building is airtight to prevent dust deposits from airflow through the open-pored acoustic plaster system.

icoustic fade® Acoustic Plaster without an acoustic board

The acoustic plaster is sprayed directly onto a primed plasterboard or concrete substrate to a total thickness of 3mm

The installer must ensure that any cracks or indents in the substrate has been filled before spraying the plaster.

Suitable substrates:

- Regular gypsum wallboard
- MF metal drywall grid system 400 mm c/c or similar
- Concrete
- Previously painted substrates
- Timber/steel frame



5. Materials

We strongly recommend that installation is only carried out using materials that have been approved or recommended by icoustic fade® Acoustic Ceilings.

In the event that installation has been carried out using materials that have not been approved by us prior to the installation we reserve the right to decline any liability claims or any claim on the warranty.

Acoustic boards (Fiberglass)

Approved acoustic boards

Ecophon Plasterabsorber
Product no. 35573079

- Board size:
2400 x 1200 x 20 mm

- Board thickness:
20 mm

- Ecophon Plasterabsorber
Product no. 35573089

- Board size:
1200 x 1200 x 40 mm

- Board thickness:
40 mm



John Mansvillw Whisperstone® Wallboard
Product no. N.A.

- Board size:
2400 x 1200 x 25 mm

- Board thickness:
25 mm





Washers

Used when the acoustic boards are mechanically fixed.

- SFS Intec washer
approx. Usage per m² = 8 pcs.
- icoustic fade® Special Washer*
Approximate usage per m² = 8 pcs

* The special washer is recommended when installing the icoustic fade® Acoustic PLUS+ finish



Adhesive

Used when the acoustic boards are fixed using adhesive.

- DanAtac Vinyl 10L Approximate usage per m² – 0,7 l



Self-adhesive fiberglass scrim tape

Mesh/scrim tape is used on the joints between the acoustic boards to prevent any cracking.

- Self-adhesive fiberglass mesh
Approximate usage per m² – 1 m





Reinforced fiber mesh

Reinforced fiber mesh is used when installing the system in high impact areas e.g. walls



Water & Stain repellent

The Water & Stain repellent spray is a highly effective hydrophobic spray used with the icoustic fade® Acoustic Plaster System

The Water & Stain repellent spray does not form a film and provides breathable water and stain repellent.

The Water & Stain repellent spray will not affect the acoustical absorption of the system.

Usage per m2: 0,3-0,5 l



Cool Tack

Sealant adhesive used on the acoustic board edges terminating the wall in buildings with extreme structural stress.



icoustic fade® Acoustic COLOR dye

Color dye provided by icoustic fade® in the NCS/RAL-color of your choosing.



General materials

General materials used when installing the system

- Plastic covering
- Sanding pads (grain size 220)
- Tape for edges





6. Tools & Equipment

The tools and equipment used for installation of the system may vary from installation company to installation company and part of the world. Tools and equipment mentioned below serves as guidelines for standard equipment needed to install the system.

If any doubt do not hesitate to contact us and ask if you can use a certain tool or equipment for your installation.

A. Standard installation tools

Tools and equipment used for standard installations



1. Knife & measurement tool
To measure and cut the acoustic boards



2. Screw gun
To fix the acoustic boards mechanically



3. Trowels
To fill gaps and joints as well as trowel the plaster.

*The special plastic trowels shown on the picture are specifically manufactured by icoustic fade® and will be handed out free of charge.



4. Mixing paddle
To mix the pre-mixed icoustic fade® Acoustic - PLUS+ with water.

*icoustic fade® Acoustic - ALBUS comes ready mixed and does not need to be mixed prior to spraying.



5. 50 l mixing container (bucket)

To mix the pre-mixed icoustic fade® Acoustic - PLUS+ with water in.

*icoustic fade® Acoustic - ALBUS comes ready mixed and does not need to be mixed prior to spraying



6. Plaster pump (Cura-2500)

To spray the icoustic fade® Acoustic Plaster

*We recommend the Cura-2500

Output : 1-25 l/min

Max. grain size: 2-4mm

Motor 400 V / 2,2 kW / 50 Hz / 16 A

AC-Inverter, stepless speed variation.



7. Compressor

To spray the icoustic fade® Acoustic Plaster

Minimum 400 l/min



8. Spray hopper (no brand)

To spray the icoustic fade® Acoustic Plaster in smaller areas (up to 200 m²)

* Max. grain size: 2-4 mm.



B. Installation with reinforced mesh

Tools and equipment used for installations with reinforced mesh
+ tools and equipment used for A. Standard installation



1. Reinforced fiber mesh

To reinforce the surface



C. Installation of bespoke NCS/RAL-colors

Tools and equipment used for installations where the acoustic plaster is dyed in bespoke colors.

+ Tools and equipment used for A. Standard installation.



1. Mixing paddle

To mix the dye provided by icoustic fade®, with the icoustic fade® Acoustic Plaster.

*Please follow the instructions given out by icoustic fade®



2. 50 l Mixing container (bucket)

To mix the dye provided by icoustic fade®, with the icoustic fade® Acoustic Plaster.

*Please follow the instructions given out by icoustic fade®



3. icoustic fade® Acoustic COLOR dye

Color dye provided by icoustic fade® in the NCS/RAL-color of your choosing.

*Please follow the instructions given out by icoustic fade®



D. Installation in extreme humid conditions (wet areas e.g. swimming pools, spas and wellness areas, partially outside areas, etc.)

Tools and equipment used for installations in humid conditions.

+ Tools and equipment used for A. Standard installation.



1. Water & Stain repellent spray
To spray on the finished surface
for protection

*Please follow the instructions given out by
icoustic fade®



2. 5 l Sprayer
To spray the Water & stain repellent spray.

*Please follow the instructions given out by
icoustic fade®



7. General Installation Guide

This is a general guide on how the system is installed. This guide will only show the installation of the icoustic fade® Acoustic Plaster System. For information about suitable substrates and how to properly install substrates (e.g. MF metal grid) please see our construction details or our DWG library or advise with your local icoustic fade® office.

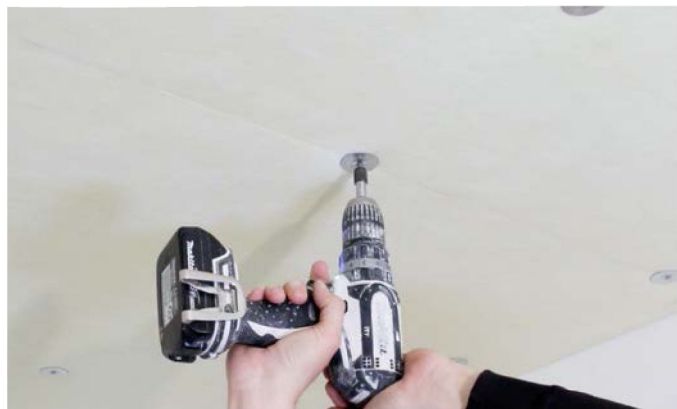
A. Standard Installation

1. Suitable substrate

Done by others

2. Acoustic board

The acoustic boards are installed to the suitable substrate with tight joints. Installation can be done mechanically with screws and special washers 400mm c/c or with an approved adhesive.



3. Filling

Scrim tape is applied to the joints while filled. Please continue to step 3.1 and 3.2.

Steps 3, 3.1, and 3.2 are all done in the same workflow.





3.1. Filling the joints

Acoustic plaster is applied onto the scrim tape to level the surface.



3.2. Filling washers & irregularities.

Washers and any irregularities and indents are filled with acoustic plaster to form a leveled surface.

*This step may have to be repeated once the plaster has dried out and until one has achieved a completely levelled surface with no indents or irregularities.

Acoustic plaster on joints and washers are given a light sand when dry to remove any irregularities.



After joints, washers and any irregularities have been filled, the plaster must dry for at least 24 hours (see „8. Installation Time“ below)

6. Spraying

The acoustic plaster is spray applied and troweled immediately after being sprayed (see step 6.1)

The plaster is spray applied in two layers with a minimum of 24 hours of drying time between each spraying (see „8. Installation Time“ below)

Once sprayed and troweled the plaster should build 3-4 mm in total.





6.1. Troweling

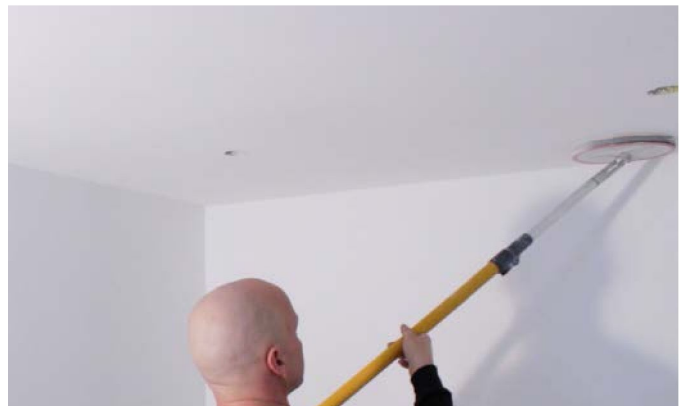
Trowel the acoustic plaster nicely. When troweling the plaster needs to be „skimmed“ rather than „scraped“



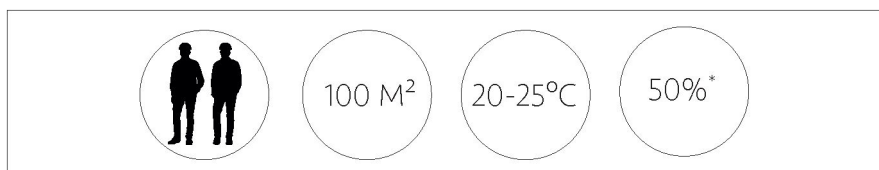
8. Sanding










For a completely smooth surface sand the entire surface until satisfied.

Roughly 1 mm dry plaster is sanded away.



8. Installation time



| Days | 1 | 2 | 3 | 4 | | 5 | 6 |
|------------------------------|---|---|---|------------------|---|------------------|---|
| Acoustic board |  | | | | | | |
| Scrim tape & filling |  | | | | | | |
| Drying time* ¹ | 24 h |  | | | | | |
| 1. layer of acoustic plaster | |  |  | | | | |
| Drying time* ¹ | | |  | Minimum 24 hours | | | |
| 2. Layer of acoustic plaster | | | | |  | | |
| Drying time* ¹ | | | | | | Minimum 24 hours |  |
| Sanding* ² | | | | | | |  |

*Relative room humidity

*¹ Depends on the room temperature and humidity. In dry and heated conditions, the drying time might be less.

*² Sanding is optional and is recommended for an ultra-smooth finish



9. Maintenance, cleaning & repairing

Maintenance

The system does not require any regular maintenance. The extent to which the individual surface requires cleaning or refreshing will vary as this depends on the effects of dirt, smoke, etc. The acoustic plaster is not statically charged and therefore does not attract dust or dirt from the air.

Cleaning

The surface can be cleaned using a dry, soft brush or pressurized air. Any application of water or cleaning fluid will lead to clogging of the porous structure and a resultant of the sound absorbing effect.

Repairing

Stains or any other damages that have penetrated the surface and cannot be removed by the previous actions can be repaired by applying a thin layer of acoustic plaster onto the imbedded stain or damaged area. Apply the acoustic plaster gently and do not „force“ the acoustic plaster onto the stain or damaged area..

icoustic fade® Acoustic REPAIR KIT

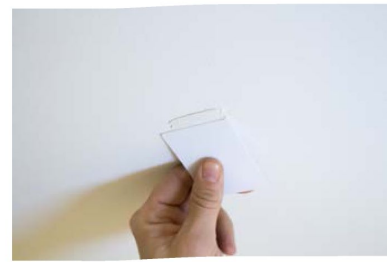
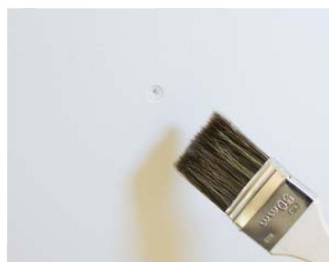
Buckets with acoustic plaster and little trowels for repairing

*Please follow the instructions given out by icoustic fade®



Repairing penetrating damages

1. Brush the damage gently to remove the old acoustic plaster.
2. Fill the damaged area with icoustic fade® Acoustic Plaster and let it dry.



3. Sand the damaged area until satisfied.

