

TECHNICAL DATASHEET

Cleaneo SYSTEXX System

Smooth, closed acoustic ceiling as a compound system

The Cleaneo SYSTEXX system is a closed product system consisting of coordinated components. The system has been developed in cooperation with acoustics specialists from Knauf Gips KG.

System components

- Cleaneo SYSTEXX **Acoustic Board** with
 - o fleece (shadow joint necessary)
 - o or foil (no shadow joint necessary)
- Cleaneo SYSTEXX **Silent**: acoustic wall covering
- Cleaneo SYSTEXX **Dots**: adhesive dots
- Cleaneo SYSTEXX **Tape**: silicone tape
- Cleaneo SYSTEXX **Tool**: special knife for cutting double-seams correctly
- Cleaneo SYSTEXX **Blade**: spare blades for special knife

This technical data sheet describes the system components (without Cleaneo SYSTEXX Acoustic Board):

Cleaneo SYSTEXX **Silent**: acoustic wall covering
= decorative smooth, multi-layer wall and ceiling covering as part of the smooth, closed fleece surface design

Cleaneo SYSTEXX **Dots**: adhesive dots
= adhesive dots which come on a carrier foil and are applied using a dry gluing process

Cleaneo SYSTEXX **Tape**: silicone tape
= tape to be applied over adhesive dots on non-perforated strips to facilitate double cutting

Cleaneo SYSTEXX **Tool**:
= special knife for double-cut seams

The system components Cleaneo SYSTEXX Acoustic Board D126S.de and D127.de are available from Knauf Gips KG at www.knauf.de.



Characteristics / usage

The Cleaneo SYSTEXX system is ideally installed on ceilings, but can also be applied to walls (in areas protected from knocks or any other kind of impact damage).

Due to its design, the Cleaneo SYSTEXX system noticeably improves the room acoustics. Featuring a sound absorption coefficient of α_w 0.80-0.85 and a constantly high absorption from low to high frequencies, the system achieves maximum absorption performance. The innovative feature of this system is a special dry gluing system used for applying Cleaneo SYSTEXX Silent. As a result, the acoustic wall covering provides the solution for perfectly smooth, closed wall and ceiling surfaces.

All system components are perfectly coordinated and must be used together in a system. Cleaneo SYSTEXX Silent is available in offwhite color (similar to RAL 9003). The system must not be painted or coated.

Technical data / roll dimensions

Product	SAP designation	Approx. weight in g/m ²	Approx. width in cm	Length in m	Pattern repeat cm
Cleaneo SYSTEXX Silent	Cleaneo SYSTEXX Silent	180	83.8	30 10	--> 0 no matching required --> 0 no matching required
Cleaneo SYSTEXX Dots	Cleaneo SYSTEXX Dots		50	26 20	--> 0 no matching required --> 0 no matching required
Cleaneo SYSTEXX Tape	Cleaneo SYSTEXX Tape		3.8	35	
Cleaneo SYSTEXX Tool	Cleaneo SYSTEXX Tool	Special knife*			
Cleaneo SYSTEXX Blade	Cleaneo SYSTEXX Blade	Spare blades			

*Roll foam covers available separately

Substrate preparation

Substrates must be dry, stable and free from dust. The substructure must be constructed using only products of the **Cleaneo SYSTEXX Acoustic Board system by Knauf**.

The design of the substructure is detailed in the Knauf System Data Sheet D126S.de and D127.de.

The finished construction clad with perforated panels must be coated with an aqueous penetrating primer. Priming must be carried out with a brush (do not use a roller!)



Priming of Cleaneo SYSTEXX Acoustic Board

Application

Important for all products

Do not apply if the room and surface temperature is below +15 °C. Always check to ensure that the batch numbers are the same when applying the wall covering to adjacent areas (see information on outside of box). One drop length = wall/ceiling length plus 5 – 10 cm. Trim off the excess.

Important for Cleaneo SYSTEXX Silent:

Cleaneo SYSTEXX Silent must always be unrolled in the winding direction and must never be bent or rolled in the opposite direction. Take care to avoid creases. Incorrect rolling may damage the visible side of the wall covering!

The area surrounding the surface to be pasted with Cleaneo SYSTEXX Silent must be clean and dust-free. The visible side of the product must not be painted after hanging. Failure to observe these requirements will severely affect the acoustic performance. The visible side remains uncoated after installation!

1. Application/installation of the Cleaneo SYSTEXX Dots

The Cleaneo SYSTEXX Dots (adhesive dots) are applied to the primed and sufficiently dried perforated board ceiling (Cleaneo SYSTEXX Acoustic Board) drop by drop with a slight overlap of approx. 0.5-1 cm. To ensure the dots stick to the plasterboard surface, the carrier foil must be pressed firmly to the board ceiling with a smoothing trowel (Venetian type with rounded edges). It is best to apply the foil in a team of two.

Heating the surface with the adhesive dots is recommended to facilitate release of the dots from the carrier foil. The Cleaneo SYSTEXX Dots must be applied over the entire surface.



Apply the dots, press down firmly with smoothing trowel



Heat with hair dryer



Peel off the carrier foil at a 90 degree angle

2. Application/installation of Cleaneo SYSTEXX Tape and Cleaneo SYSTEXX Silent

Non-perforated strips, where a double cut seam is performed, must be covered with Cleaneo SYSTEXX Tape (silicone tape) before hanging the wall covering. Since one drop of Cleaneo SYSTEXX Silent has a width of 83.8 cm, the tape must be applied to every other non-perforated strip. If a cut has to be made in the transverse direction, e.g. at the end of a drop, it must also be made on a non-perforated strip that has first been masked with Cleaneo SYSTEXX Tape.

Heat with hair dryer



Application of silicone tape



Non-perforated strips covered, every other strip must be masked with tape

3. Application/installation of Cleaneo SYSTEXX Silent

Use a soft wallpaper brush or soft roller to apply the wall covering and press the drops firmly and evenly onto the substrate. Align the drops to the Cleaneo SYSTEXX Tape. Make sure to place the first few meters of the wall covering exactly along the edge of the tape. We recommend working in a team of two.



Align Cleaneo SYSTEXX Silent to the silicone tape.



Cleaneo SYSTEXX Silent overlap area

Please do not use standard wallpapering tools to hang the material! The risk of damaging the surface is very high.

4. Trimming excess Cleaneo SYSTEXX Silent material

Roughly trim any excess Cleaneo SYSTEXX Silent material with scissors or a cutter knife, then in a 2nd step cut it to size with a suitable tool, e.g. wallpaper squeegee.

Note: The tool used must not leave any metallic or colored plastic abrasion on the acoustic wallpaper.

4a) Hanging internal corners

Cut the wall covering into internal corners using a glass fabric squeegee and a sharp knife. Make sure to always draw the knife along the outer edge of the squeegee, close to the edge of the acoustic wall covering.

4b) Hanging external corners

Outside corners can be trimmed with a corner cutter to remove any excess material and create a tidy corner finish.

It is also possible to use a suitable corner bead which is also available from us. In this case, the corner bead must be attached to the relevant corners by gluing or plastering before installing the Cleaneo SYSTEXX Dots and Cleaneo SYSTEXX Silent.

5. Marking and double cutting with the Cleaneo SYSTEXX Tool

When using the Cleaneo SYSTEXX Tool (special knife), double cuts should always be made on a non-perforated strip.

Marking: Use a laser level (line laser) or weakly adhesive tape to mark the guide line for the double cut seam. A combination of laser and tape is recommended (installation method is up to the discretion of the installer).

The Cleaneo SYSTEXX Tool is a special knife developed for the Cleaneo SYSTEXX system. It facilitates double cutting without damaging the substrate (Cleaneo SYSTEXX Board/Panel) causing the panels or boards to crack.



Double cutting with Cleaneo SYSTEXX Tool

a maximum of 10 meters. It is helpful to mark the used blade (e.g. dotting it with a permanent marker).

It is recommended that a test cut be performed beforehand to ensure that the paper of the Cleaneo SYSTEXX Acoustic Board is not cut through.

Then remove the Cleaneo SYSTEXX Tape from the seam. Make sure to remove any creases in the seam area. Finally, use a roller to close the seam.

6. Painting

The Cleaneo SYSTEXX system must not be coated with any currently available paint. Painting the system would significantly impair the acoustic performance.

The surface must always be kept clean and free from damage. If the surface becomes damaged or dirty, the Cleaneo SYSTEXX Silent wall covering must be replaced in the relevant areas.

7. Surface rework

In the event of replacing Cleaneo SYSTEXX Silent, use a hair dryer to warm the surface. This re-activates the Cleaneo SYSTEXX Dots and the acoustic wall covering can be peeled off the wall/ceiling. If the adhesive dots are still active, you can immediately start hanging new drops of Cleaneo SYSTEXX Silent.

Important!

- The CLEANEO SYSTEXX SYSTEM must not be painted
- Double-cut seams may become visible in glancing light
- Please check the drops for any visible defects
- Complaints made after more than 3 drops have been hung cannot be accepted
- Always check to ensure that the batch numbers are the same when applying the wall covering to adjacent areas!

Storage

Store rolls in a clean, dry place, ideally sealed in a film wrap.

General information

- 1.) Certain sensitive individuals may find that handling glass fiber irritates their skin. SYSTEXX is tested to Öko-Tex standards to ensure that it is free from allergenic and harmful substances.
- 2.) This information sheet does not claim to address every problem that may occur in practice. Therefore no obligation or liability may be derived from it. Users are obliged to use their professional judgment to assess the application based on the product's suitability and the substrate. Please comply with the relevant national building regulations. In case of doubt, please contact the technical advisory service at Vitrulan Textile Glass GmbH.