



## SONOSEAL®

Sealed insulation for above suspended ceilings

### MOST IMPORTANT ADVANTAGES

- Excellent sound insulation and absorption properties
- Reduces echo and reverberation for improved speech intelligibility
- Minimizes flanking sound transmission between adjacent rooms
- Invisible behind perforations thanks to black PE film
- Custom-cut to fit ceiling panels for quick and easy installation



### THE PRODUCT

SONOSEAL® is a glass wool or stone wool panel that is fully sealed in a black, acoustically open, and fire-retardant PE film.

### APPLICATION

SONOSEAL® glass or stone wool panels improve room acoustics in environments where suspended (modular) or climate ceilings are used. SONOSEAL® is placed above the ceiling grid or integrated into perforated metal ceiling cassettes, and is particularly well-suited for areas where plenum air extraction is applied. When installed above a suspended ceiling, this additional insulation layer can improve flanking sound insulation by up to 10 dB. In addition its sound-absorbing properties improve speech intelligibility in rooms by reducing echo and reverberation.

### DENSITIES & DIMENSIONS

We adjust the density and dimensions of SONOSEAL® sealed insulation to meet the specific requirements of your project.

Insulation material density (kg/m <sup>3</sup> )	On request
Thickness	On request
Maximum width	800 mm
Standard length*	1200 mm

\* Custom lengths available upon request.



### SYSTEM SELECTOR

In our system selector, you can easily find the flanking sound insulation performance of SONOSEAL® combined with various ceiling panels and our SONOREX® noise barriers.



Visit [saint-gobain-solutions.nl/sonorex-systeemselector](https://saint-gobain-solutions.nl/sonorex-systeemselector) or scan the QR-code.

# SONOSEAL®

## FIRE SAFETY

SONOSEAL® glass wool 100 to 160 mm	A2-s1,d0 based on NEN-EN 13501-1
SONOSEAL® stone wool 30 to 160 mm	A2-s1,d0 based on NEN-EN 13501-1
SONOSEAL® glass wool 25 to 100 mm	B-s1,d0 based on NEN-EN 13501-1

## ACOUSTIC COMFORT

### Sound insulation

SONOSEAL® offers excellent sound-insulating properties. Adding SONOSEAL® as an additional layer on top of suspended ceilings significantly reduces disturbing noise from sources such as installations in the plenum (the space above the ceiling).

### Flanking sound insulation

Sound can easily transmit from one room to another through the space above a suspended ceiling. This is known as flanking sound transmission. With SONOREX® noise barriers, you can significantly reduce this sound transmission. By also adding SONOSEAL® on top of the ceiling, you can further improve the acoustic performance. In our SONOREX® system selector, you can easily find the calculated flanking sound insulation value ( $D_{n,f,w}$ ) in combination with the desired ceiling tile and SONOSEAL®.

### Sound absorption

SONOSEAL® also has good sound-absorbing properties. Especially in the case of perforated ceilings, this has a great influence on room acoustics. By reducing echo and reverberation, it significantly improves speech intelligibility within the space. For various acoustic reports, you can contact Customer Service.

## INSTALLATION

The SONOSEAL® tiles are laid loose on or in the modular ceiling. Since the dimensions of SONOSEAL® are matched to the ceiling panel sizes, quick and easy installation is possible. The PE film surrounding the insulation panel provides comfort during the installation and/or removal of the suspended ceiling.

## BIM SERVICE

In our specification service, you can quickly and easily find and download BIM information for various ceiling systems combined with SONOREX® and SONOSEAL®.

## CONTACT

Would you like personal advice about our SONOSEAL® sealed insulation? Please contact our specialists at Customer Service.

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