



SONOREX® 23 FIRE

Fire-resistant noise barriers

MOST IMPORTANT ADVANTAGES

- Sound insulation R_w is 23 dB
- Fire resistance EI is 30 minutes
- Partition wall height with fire requirement possible up to 4 meters
- Easy installation: no plaster strips required for fire requirements
- Customisable: less waste on the construction site



THE SYSTEM

SONOREX® 23 Fire is a sound-insulating and fire-resistant barrier consisting of two Isover ULTIMATE™ stone wool panels (compressed), covered with reinforced aluminium foil.

APPLICATION

The SONOREX® 23 Fire fire-resistant noise barrier has been specially developed for use on lightweight partition walls above suspended ceilings to improve the flanking sound insulation and fire resistance.

OVERVIEW PERFORMANCE & CONDITIONS

Sound insulation R_w based on EN ISO 717	23 dB
Fire resistance EI based on EN 1364-1	30 minutes
Weight SONOREX® 23 Fire	3.3 kg/m ²
Maximum wall height in case of fire requirements (including SONOREX®)	4000 mm
Maximum height SONOREX® (fire)	500 mm

The SONOREX® products have been tested according to the standards stated in this product sheet. Contact us for questions about the application area, dimensions and connections.

DIMENSIONS*

Standard height SONOREX®	600 mm
Maximum height SONOREX®	2000 mm
Standard length SONOREX®	1200 mm
Thickness SONOREX® 23 Fire	60 mm

* SONOREX® is available in customized dimensions. Please contact us for more information.



SYSTEM SELECTOR

Our system selector helps you to easily find the right SONOREX® noise barrier for your project. Make your choice based on the requirements for fire and acoustic comfort in combination with a ceiling panel. Our SONOREX® noise barriers have been tested in combination with the most commonly used ceiling systems.



Visit saint-gobain-solutions.nl/sonorex-systeemselector or scan the QR code.

SONOREX® 23 FIRE

FIRE SAFETY

Fire resistance

SONOREX® 23 Fire has a fire resistance (EI) of 30 minutes. Due to the unique composition of this SONOREX® 23 Fire noise barrier, the application of one or more plaster strips at the location of the band grid is not necessary, provided that the adjacent ceiling is made of a fire class C or better and is locally resistant to higher temperatures. The SONOREX® 23 Fire noise barrier can be used in combination with the wall up to a total height of no less than 4000 mm.

The fire resistance of SONOREX® Fire noise barriers is documented in various fire reports (available for inspection). For SONOREX® Fire noise barriers, the criterion “thermal insulation based on temperature”, as stated in the Dutch standard NEN 6069, is often decisive. In this case, the temperature increase on the wall side that is not directly heated may be an average of 140°C and the maximum temperature increase at any point may be 180°C.

ACOUSTIC COMFORT

Sound insulation

The SONOREX® 23 Fire noise barrier has a (direct) sound insulation (R_w) of 23 dB (laboratory value). This single-digit value R_w is determined in accordance with EN ISO 717. The underlying Peutz report is available for inspection. Ask our Customer Service about this.

Flanking sound insulation

Sound transmission from one room to another can easily occur via the space above a suspended ceiling (the so-called plenum). This is called flanking sound insulation. SONOREX® noise barriers significantly reduce this sound transmission. In our SONOREX® selector you can easily find the calculated flanking sound insulation $D_{n,f,w}$ value in combination with the desired ceiling panel. Visit saint-gobain-solutions.nl/sonorex-systeemselector or scan the QR code.



INSTALLATION

For application of the SONOREX® 23 Fire noise barriers, we refer you to the SONOREX® installation instructions. You can download this at saint-gobain-solutions.nl/sonorex-23-fire or simply scan the QR code. If you have specific questions about the installation of SONOREX® 23 Fire, please contact us.



BIM SERVICE

You can quickly and easily find BIM information in our specification service. Visit saint-gobain-solutions.nl/tools.

CONTACT

Would you like personal advice about our SONOREX® noise barriers? Please contact our specialists at Customer Service.

☎ +31 (0)13 578 48 87

✉ sales.is@saint-gobain-solutions.nl



SAINT-GOBAIN

Saint-Gobain Solutions

Office Tilburg

Minosstraat 40, 5048 CK Tilburg, The Netherlands

Tel: +31 (0)13 578 48 87

Email: sales.is@saint-gobain-solutions.nl

saint-gobain-solutions.nl

Product changes or inaccuracies are reserved. The most up to date information can be found at saint-gobain-solutions.nl/sonorex.