

ESPERO MOVABLE WALLS PRODUCT BROCHURE

# Sonico

What seems like a solid, sound-insulating wall at first sight turns out to be extremely easy to slide open with one simple manoeuvre.

De Kampanje theatre - Den Helder

The movable Sonico wall can be arranged differently to suit any kind of performance.

ESPERO



# Unlimited design freedom with outstanding sound insulation

Our best-selling movable wall is multifunctional thanks to its sound-insulating panels on rollers. What seems like a solid wall at first sight turns out to be extremely easy to slide open. Transform a large banqueting suite into multiple meeting rooms, a reading room into a small office, or a sports hall into a night school. The wide range of finish options lets you adapt the stylish Sonico to your needs, so that it will seamlessly blend into any design.

## Flexibility and convenience

The individual Sonico panel walls slide smoothly and silently in a ceiling track. Thanks to the magnetic profiles they lock together effortlessly, while the aluminium frame with steel and high-quality chipboard on both sides makes them extremely sturdy. This is what makes the Sonico our ultimate all-rounder, with a maximum height of 12 metres (different sizes on request). From offices and churches to theatres and universities, we have installed Sonico walls in an extremely diverse range of buildings.

Espero's patented Quick locking mechanism guarantees easy and smooth operation. All it takes to open or close the hermetic sound-insulating seals is a 180-degree turn of the control lever. For even greater convenience, the Sonico is also available as a semi-automatic version. Locking the semi-automatic Sonico takes just one press of a button.



Krasnapolsky Hotel - Amsterdam

All it takes to open or close the Sonico wall to increase or decrease the size of the winter garden is a 180-degree turn of the control lever.

### Sound insulation

Products from the Sonico range are available with sound insulation ratings (Rw) of between 38 dB and 58 dB. Sound insulation is guaranteed by extending hermetic seals at the top and bottom of the panels, sound-insulating rubber seals along the sides, and the use of high-grade, sound-insulating materials inside the walls.

### Finish options

Sonico walls are available with any finish you want. Breathe life into a space with a stunning print of a vast landscape, or create a warm look with one of the many veneer finishes that we stitch, glue and lacquer in-house at our factory. How do textile, acoustic cassettes or glass openings fit into your project? A wide choice of different materials allows you to create the right look and feel for any space.

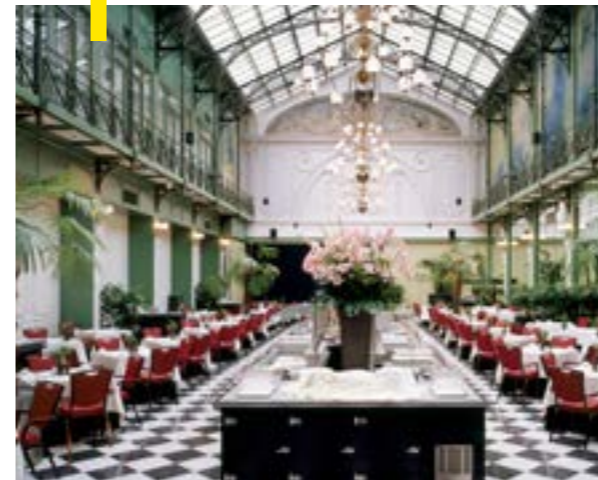
### The Sonico is available in different versions:

- Type 100 Robust version with visible vertical and horizontal aluminium profiles. Certified sound insulation ratings (Rw) between 38 dB and 55 dB
- Type 110 Aesthetic version with concealed vertical and horizontal aluminium profiles. Certified sound insulation ratings (Rw) between 38 dB and 56 dB
- Type 120 Aesthetic version with concealed vertical and horizontal aluminium profiles. Highest certified sound insulation rating (Rw) of 58dB

### Key Sonico features and benefits

- Unlimited design freedom. Available with all the usual interior design finishes.
- Various configuration options: straight, segmented, cascading (auditorium), or corner configurations.
- The same wall allows multiple configurations.
- The only Cradle to Cradle Bronze certified movable wall in the market.
- User-friendly operation with Espero's patented Quick locking mechanism.
- Available with semi-automatic operation as an option.
- Choice of certified sound insulation ratings (Rw) between 38 dB and 58 dB.
- Effortless top track installation in all types of ceiling.
- Floor-supported version optional.
- Certified fire-proof version available.
- Great in combination with the Visio 100.

**Krasnapolsky Hotel**  
with its famous winter garden  
in the heart of Amsterdam.



**Seeligkazerne**  
Former barracks in Breda  
town centre.



# The challenges of a multi-purpose concert hall

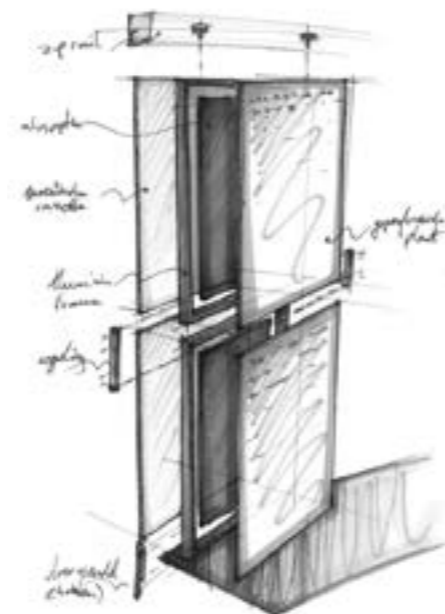
Classical music requires a relatively long reverberation time, or echo. Pop music does not. So, how do you make it possible for one single venue to host both classical concerts and pop gigs without compromising on the quality of the music? This was the challenging and fascinating question that the proprietors of the Musis Sacrum concert hall in Arnhem faced. Acoustics consultancy Peutz teamed up with Espero to produce acoustic panels that were able to meet all the requirements.

## Bespoke solution

We managed to overcome all the challenges we came up against along the way with a solution that is not only functional, but also good-looking. Good acoustics for pop concerts, for example, required the back of each panel to be 70% open. We solved this by having a wooden cassette wrapped in black fabric, which considerably improved the acoustics. For the front side of the panels, we used black MDF. And by perforating this surface, we managed to create a structure that is 30% open. It was quite a conundrum to make the 300 different-size panels fit in the tight parking compartment. Varying the panel thickness presented yet more challenges. The solution that was ultimately found ensures a great look. When the walls are parked in the parking compartment, the concert hall is set up for classical music, while placing the acoustic panels in the hall will turn it into a venue for pop concerts.

## Prize-winning project

The renovation and extension of the Musis Sacrum concert hall won the Van Dongen-Koschuch architectural firm the NRP Gulden Feniks Prize and the Heuvelink Prize in 2018. This project furthermore landed the firm a nomination for BNA Best Building of Year and the 2018 Architectenweb Award.



*“We are extremely impressed with the aesthetics of the acoustic wall”*

**Van Dongen-Koschuch Architects**

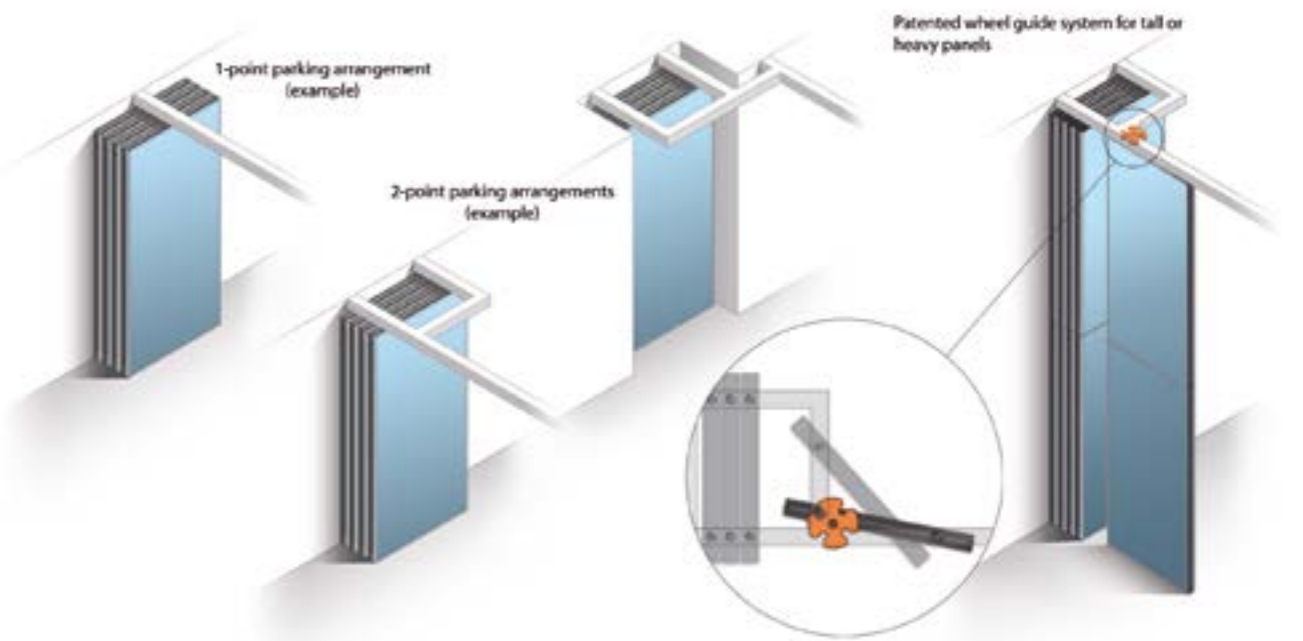
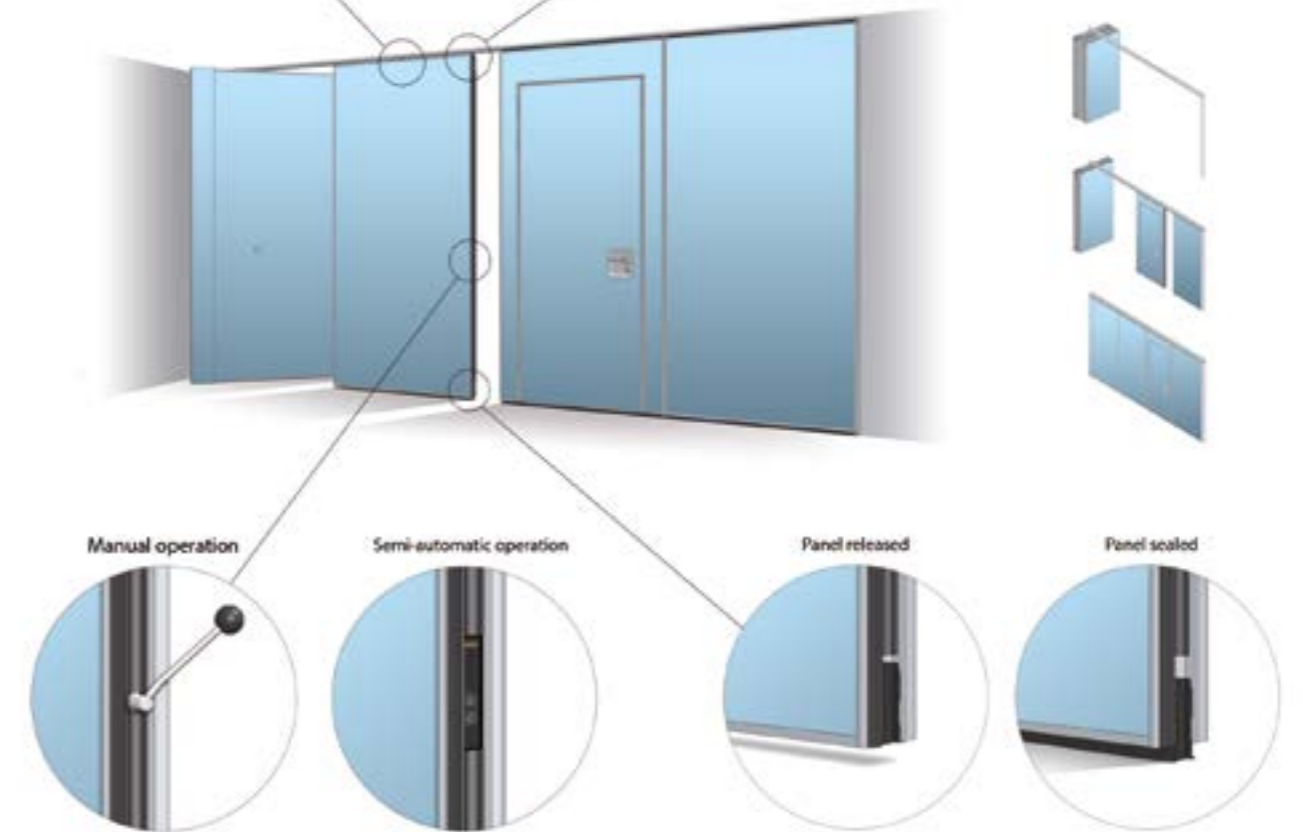
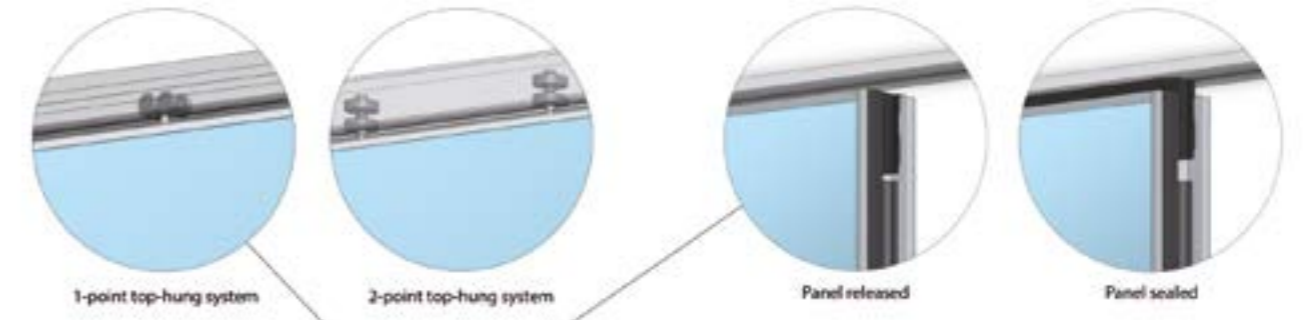
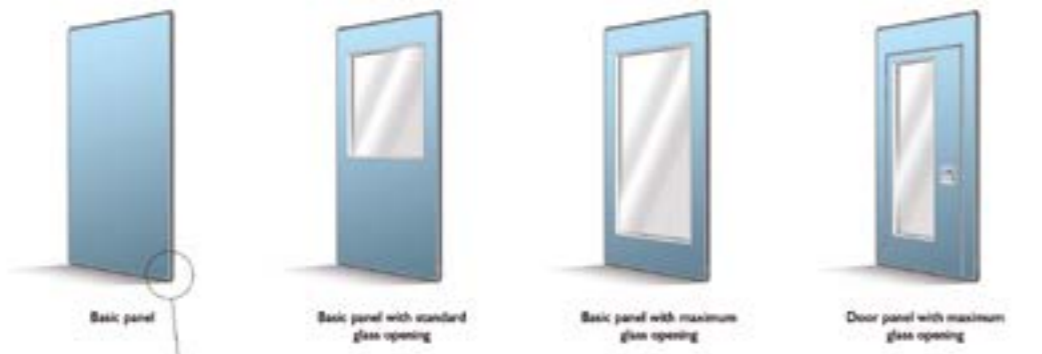
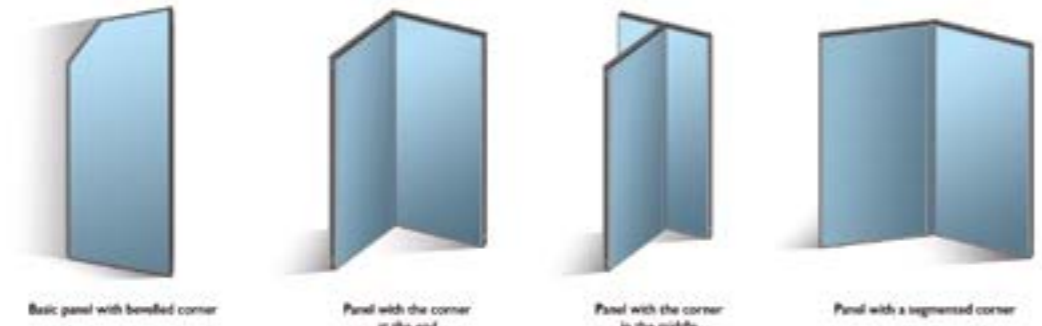


For pop concerts, they wanted to be able to wheel an acoustic wall in front of the existing walls. The panel incorporates an acoustic (sound-absorbing) filling. The perforated MDF finish ensures the desired effect and look on the front side.





# The wall with endless possibilities



# With a product range as extensive as ours, we always have a solution to suit your needs

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Click the links below for more details and engaging cases about  
our mobile walls in projects across the globe.



Want to find out more about all the possibilities?  
We will gladly join your thought process.  
Call +31 (0)416 33 89 55 or email us on [info@espero.nl](mailto:info@espero.nl)

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