

# BAMBOOWALL® Sound Screen

Effective, natural, and exclusive!



A natural look and suitable for nearly every situation. The *BambooWall*® Sound Screen is a sandwich construction with a row of bamboo on either side. Bamboo is an extremely strong and sustainable plant species, perfect for exterior applications. The stunning combination of bamboo and galvanised steel gives every environment a warm and distinctive appearance.

*BambooWall*® Sound Screen panels consist of a frame made of galvanised steel U-channels filled with two rows of bamboo. A sound proofing panel is trapped between the two rows of bamboo. A layer of mineral wool can optionally be added between the sound proofing panel and the bamboo for additional sound proofing on the sound side of the sound screen.

Through its layered sandwich construction, the *BambooWall*® Sound Screen reaches an **insulation value of at least 25 dB**.

An absorption value of 6 dB can be achieved on the sound side by adding a layer of mineral wool between the sound proofing panel and the bamboo.

The *BambooWall*® Sound Screen is a Dutch invention and is manufactured entirely in the Netherlands.



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The **BambooWall**® Sound Screen has a modular design and an extremely short construction time. The pre-fab panels are mounted between galvanised steel IPE posts.

**Additional options:** **BambooWall**® Sound Screens combined with transparent panels, spiked fencing, or an added layer of mineral wool to further benefit sound insulation. If desired, Kokosystems also supplies a matching aluminium, hardwood, or **BambooWall**® door with cylinder lock.

The **BambooWall**® Sound Screen comes in two variations: The standard **BambooWall**® DR-45 Sound Screen (without sound absorbent properties) and the **BambooWall**® SA-80 Sound Screen (with sound absorbent properties on one side).

## Technical documentation

Kokosystems can supply all necessary documentation for any building permit that may be required, such as technical drawings, test reports, and calculations. A floor plan, photo overview, and structural drawings are provided with every quotation.

## Measurements

The **BambooWall**® Sound Screen can be manually constructed to a height of 2.5 m. To reach heights above 1.25 m the **BambooWall**® Sound Screen panels are stacked. Screens higher than 2.5 m are built using a crane and use a different foundation. **BambooWall**® Sound Screen panels can inexpensively be custom built in any other desired size. The screen width can also be relatively easily shortened during installation. The weight and thickness of the screens depends on the type. The **BambooWall**® DR-45 Sound Screen weighs approximately 20 kg/ m<sup>2</sup> and is 5 cm thick, while the **BambooWall**® SA-80 Sound Screen weighs approximately 35 kg/ m<sup>2</sup> and is 8 cm thick.

## Eco Friendly and Sustainable

Bamboo is an extremely fast-growing plant species. If the roots are left intact, Bamboo will grow back very quickly after harvesting. The bamboo we use is therefore a renewable resource. Bamboo also has the same properties as tropical hardwood and does not decay. This ensures that the screens will last a very long time.

## Maintenance

Over time, due to various weather influences, the bamboo will become slightly duller and lighter in colour, and may also split vertically. The screens will, however, retain their natural look. If desired, you can treat the screens with a clear coat to further protect the bamboo and restore the original colour and lustre.



## FOR MORE INFORMATION:

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