

BASWA Sonic BASWA Sonic Carbon

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Product description and fields of use

The BASWA Sonic / Carbon panels integrate flat panel loudspeakers invisibly and seamlessly into the BASWA Phon system. They basically comprise the flat panel loudspeaker and a special polymer membrane which is covered with an open-pore pre-coating. The BASWA Sonic / Carbon panels are glued with BASWA Fix C or BASWA Fix K to a fixed, sealed substrate (generally on walls, solid ceilings or suspended mineral fibre ceilings); the ceiling is then normally covered with BASWA Phon acoustic panels, the ceiling joints are grouted, and a covering of BASWA coating compound is then applied. This produces a seamless, smooth and absorbent surface in which the loudspeaker is invisibly incorporated.

BASWA Sonic/Carbon panels can be integrated in ceilings as well as walls and they are exclusively installed within straight, horizontal, vertical or sloping surfaces. The BASWA Sonic Carbon panels are used in outdoor areas that are protected from damp (the under-surfaces of balconies etc.) as well as moisture-prone areas, but also in locations with stringent noise level standards.

Product Data

Material Full spectrum bending wave converter with special polymer

membrane, in-wall mounting plate and 10 mm factory-applied, open-pore pre-coating made of organically bonded recycled glass granules.

Item numbers	a560 BASWA Sonic 26 mm a564 BASWA Sonic Carbon 26mm a561 BASWA Sonic 36 mm a565 BASWA Sonic Carbon 36mm a562 BASWA Sonic 46 mm a566 BASWA Sonic Carbon 46mm a563 BASWA Sonic 66 mm a567 BASWA Sonic Carbon 66mm
Functional principle	DM-PUL
Sensitivity	78 dB / 1W / 1m
Power rating	40 Watt
Impedance	4 Ohm
Frequency range	100-18,5 kHz
Dimensions	Sonic 60 x 80 cm, Carbon 40 x 60 cm
Thicknesses	26 mm, 36 mm, 46 mm, 66 mm
Weight	BASWA Sonic 26 mm ca. 3.8 kg / panel BASWA Sonic 36 mm ca. 3.9 kg / panel BASWA Sonic 46 mm ca. 4.0 kg / panel BASWA Sonic 66 mm ca. 4.1 kg / panel
Thermal conductivity	BASWA Sonic 26 mm, 0.030 W / m ² *K BASWA Sonic 36 mm, 0.030 W / m ² *K BASWA Sonic 46 mm, 0.030 W / m ² *K BASWA Sonic 66 mm, 0.030 W / m ² *K
Fire classification	Polyurethan : B2
Fire behaviour	Normal flammability, not smouldering, not melting, not burning droplets
Polyurethan	
Storage	Protect the panels from temperatures of over 40°C, and from humidity and direct sunlight. The packed BASWA Sonic / Carbon panels must be stored on a solid, level surface without any load on them.
Delivery	
Delivery information	Incorrect transportation and storage can lead to damage. Under no circumstances must the cardboard boxes be thrown, heavily loaded, or set down heavily on their outer edges.
Delivery packaging	Individually packaged in cardboard boxes

For further delivery information please contact BASWA acoustic AG, T +41 (0)41 914 02 22.

Instructions for use

Preparation and installation

1. Use a notched trowel to apply a 3 mm or 6 mm thick layer of the correct structural adhesive for the substrate to the rear and sides of the BASWA Sonic Module, ensuring complete coverage. The structural adhesive must not be applied to the loudspeaker module which is visible at the rear, only to the specified adhesive areas in accordance with the system thickness!
2. Connect BASWA Sonic to the loudspeaker cables (not supplied) and check that they work correctly. (The connection must be made and checked by a specialist media/systems/electronics engineering contractor)
3. Stick panel onto the substrate (with offset, min. 10 cm)
4. Attention! The areas adjoining the acoustic panels must be glued to the vertical faces!
5. Push the panels flush against each other! Use a suitable tool to check that adjacent panels are fitted flush against each other.
6. Important! If the system is 30mm or 40 mm thick, the substrate must be adapted and cut out to the required depth due to the installation depth of the BASWA Sonic. It is essential to take this into account during building planning! (For details, see the technical drawing in the BASWA Sonic / Carbon installation instructions).
7. Further installation steps are shown in the respective applicable BASWA Sonic/ Carbon installation instructions.

Important information about the electrical connection

It is essential to take account of the electrical parameters of the BASWA Sonic Panel (impedance and polarity).

Unless another option is approved, the specialist contractor must provide and use a High-Pass-Protection Unit with signalling path values of 120Hz/24dB/oct.

This function must not be bypassed or be able to be changed by unauthorised persons.

This High-Pass-Protection Unit can be obtained via BASWA acoustic on request.

Disclaimer

The details provided above, and in particular the preparation/installation/usage suggestions for our products, are based on our knowledge and experience in normal cases and presuppose that the products have been correctly stored and used. Owing to the variety of different materials, substrates and operating conditions, no guarantee of a work result can be given and no liability can be assumed arising from any legal relationship whatsoever, neither on the basis of these instructions nor of verbal advice, unless we are specifically culpable of intent or gross negligence. In this regard the user must prove that he has provided to BASWA in a timely and complete manner and in written form all the knowledge which is required in order to enable BASWA to correctly and successfully evaluate the situation. The user must check the products' suitability for the use which he proposes to make of them. We reserve the right to make changes to the product specifications. Third party industrial property rights must not be infringed. Furthermore, our respective

sales and delivery conditions apply. The most up-to-date product data sheet that can be ordered from us is applicable.