

## Broadband-Wall Absorber 90

Powerful, straightforward and unobtrusive - this could be a brief description of the AOS broadband wall absorber 90. What makes it so valuable is the broad spectrum of its sound absorption values in the entire frequency range of human speech (200 Hz to 2000 Hz). This conductivity is a great advantage, especially in rooms where there is little wall or ceiling space available for acoustic measures. This is particularly important if the room boundary surfaces consist mainly of heavy and reverberant materials such as concrete. In these cases, the AOS broadband wall absorber 90 can utilise its full strengths and achieve the desired result with significantly less surface area than is necessary with conventional wall absorbers. This is because a sound absorption performance of ap 0.9 is already achieved in the linguistically very important octave bandwidth of 250 Hz and the maximum possible value of ap 1.0 from 500 Hz. The high-performance broadband absorbers are available in standard sizes with a grid of 200 mm and also in customised sizes. There is a choice of 17 fabric collections in various designs and over 500 colours. The standard dimensions range from 800 x 800 mm to 1200 x 2000 mm. Thanks to the stable and invisible aluminium frame construction in the substructure, the absorbers are extremely dimensionally stable and durable. A suspension fitting with precise height adjustment guarantees quick and easy hanging.



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### Data Broadband-Wall Absorber 90

Total thickness 90 mm

Substructure - dimensionally stable aluminium frame profile

Highly sound-absorbing according to DIN EN ISO 354

Extremely broad spectrum in the speech range

Filler B1 flame retardant according to DIN 4102-1

Filling material Standard 100 by OEKO-TEX®

Fabric covering surface

17 fabric collections to choose from

#### Mounting options:

Wall mounting incl. height adjustment

## Standard Formats 90 mm Wall Structure / Weight in kg (approx.)

length width	800	1000	1200	1400	1600	1800	2000
800	8.0	10.0	12.0	14.0	16.0	18.0	20.0
1000	10.0	12.5	15.0	17.5	20.0	22.5	25.0
1200	12.0	15.0	18.0	21.0	24.0	27.0	30.0
1400	14.0	17.5	21.0				
1600	16.0	20.0	24.0				
1800	18.0	22.5	27.0				
2000	20.0	25.0	30.0				

## Broaband-Wall Absorber 90

Sound absorption coefficient  $a_p$  per DIN EN ISO 354

125 Hz	$a_p$ 0,45
250 Hz	$a_p$ 0,9
500 Hz	$a_p$ 1,0
1000 Hz	$a_p$ 1,0
2000 Hz	$a_p$ 1,0
4000 Hz	$a_p$ 1,0

Rated sound absorption coefficient  $a_w$  1,00 (H)

DIN EN ISO 354 test certificate