

# Akustikduk 450

## Object description

Akustikduk 450, mounted in front of a 45 mm cavity with enclosed periphery

## Measurement method

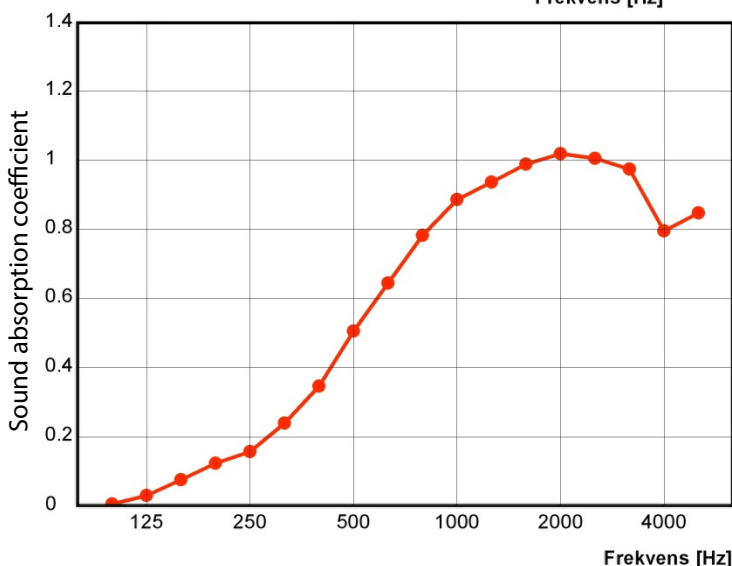
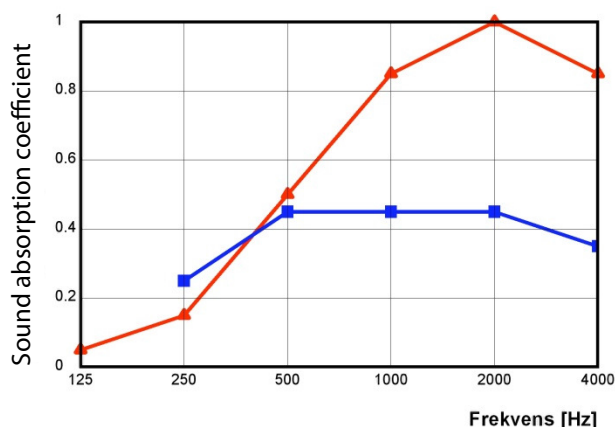
The measurements were performed according to DS/EN ISO 354, and the weighted sound absorption coefficient as well as the sound absorption class are determined according to DS/EN ISO 11654

## Commenting on the measurement

The sound absorption coefficient deviates considerably (higher sound absorption) from the standard curve at mid- and high frequencies, which is indicated by (MH) in the sound absorption class

**Weighted sound abs. coefficient:**  $\alpha_w = 0,45$     **Sound absorption class:** D(MH)

Frekv. [Hz]	Absorptionskoefficient		
	1/3-okt.	1/1-okt.	Ref.-kurve
100	0,01	0,05	
125	0,03		
160	0,08		
200	0,12		
250	0,16	0,15	0,25
315	0,24		
400	0,35		
500	0,51	0,50	0,45
630	0,64		
800	0,78		
1000	0,89	0,85	0,45
1250	0,94		
1600	0,99		
2000	1,02	1,00	0,45
2500	1,01		
3150	0,97		
4000	0,80	0,85	0,35
5000	0,85		



	Temperature	Relative humidity
Empty room (T <sub>1</sub> )	19°C	64%
Measurement A1 (T <sub>2</sub> )	19°C	66%