

TECHNICAL DATA SHEET

FLUTTERCONTROL

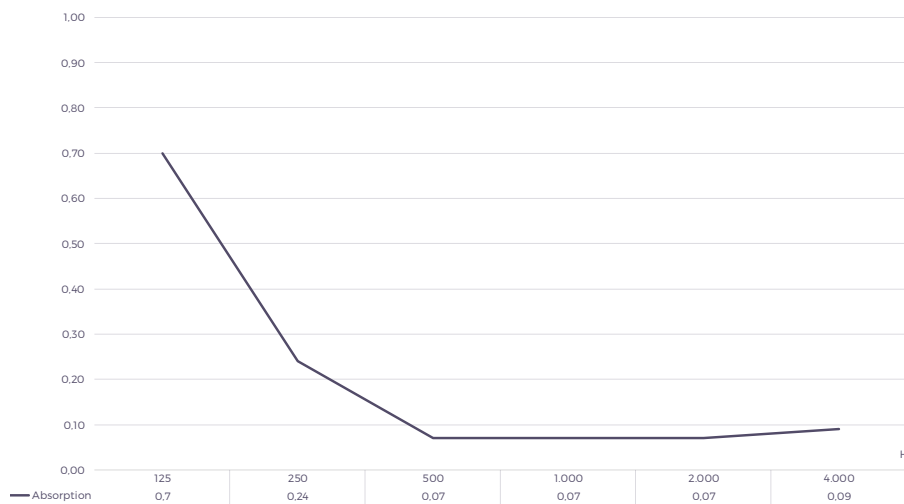
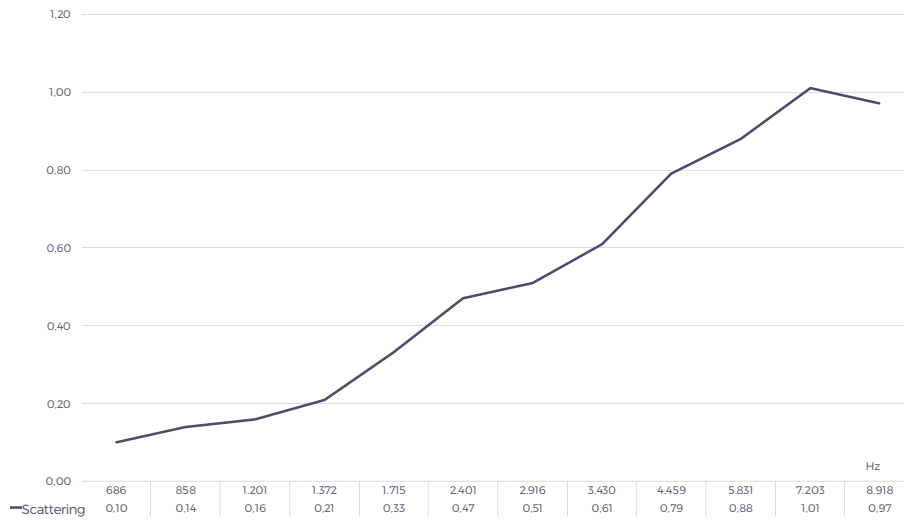


CATEGORY	Diffusor against highfrequency echo
APPLICATIONS	Opposite walls in meeting rooms, auditoria, ball rooms, home cinemas, listening rooms, ...
BANDWIDTH	4.000 - 20.000 Hz
MOUNTING PLATE	Tropical wood
FINISH	<ul style="list-style-type: none">• Non-treated• Varnish• Colour paint (all colours available)
FIRE RATING	<ul style="list-style-type: none">• Standard B2 (according DIN 4102)• Can be coated with fire retarding finish
DIMENSIONS	1.200 * 94 mm
THICKNESS	22 mm
WEIGHT	1 kg / pce
MOUNTING	By means of nails or glue on a wall or wooden slats (see the mounting instructions)



SCATTERING AND ABSORPTION COEFFICIENTS

Statistical scattering and absorption coefficients according to ISO 17497-1 and ISO 354 standards.



The desired resonance frequency can be obtained thanks to the following parameters:

- the distance between two Fluttercontrols
- the air cavity

The following table shows some examples of the calculation

Distance between Flutter controls(m)	Percentage open space	Air cavity	Resonance frequency
Dist.	$e = \text{Dist.}/(\text{Dist.}+0,094)$	D(m)	$\text{Freq.} = 370 \cdot \sqrt{(e/D)}$
0,002	0,021	0,2	119
0,004	0,041	0,2	167
0,008	0,078	0,2	232
0,002	0,021	0,05	239