

## Nordgröna Saga, scattering

SOUND SCATTERING PROPERTIES OF SURFACES ACCORDING TO SS ISO 17497:2004

Measurements of the random scattering coefficient in a reverberation room

Report number:

20-755-M3

Date:

2021-01-26

Frequency f [Hz]	Sound absorption $\alpha_s$	Scattering coefficient s
100	0,01	0,00
125	0,07	0,00 <sup>1</sup>
160	0,09	0,00
200	0,05	0,00
250	0,05	0,02
315	0,07	0,00
400	0,07	0,01
500	0,14	0,00
630	0,22	0,06
800	0,33	0,12
1000	0,36	0,11
1250	0,30	0,13
1600	0,32	0,18
2000	0,39	0,20
2500	0,39	0,39
3150	0,32	0,48
4000	0,38	0,63
5000	0,38	0,82

Client:

Nordgröna

Manufacturer:

Nordgröna

Test room identification:

Test room 1

Product identification:

Saga

Description of test specimen:

Cork tiles, 42 mm construction depth.

Reverberation room volume:

200 m<sup>3</sup>

Area of test object:

7,07 m<sup>2</sup>

Measurement date:

2021-01-21

Measured by:

Johan Jernstedt

Baseplate

Test object

Temperature (°C):

Fixed

Rotating

Fixed

Rotating

Air humidity (%):

37

38

38

38

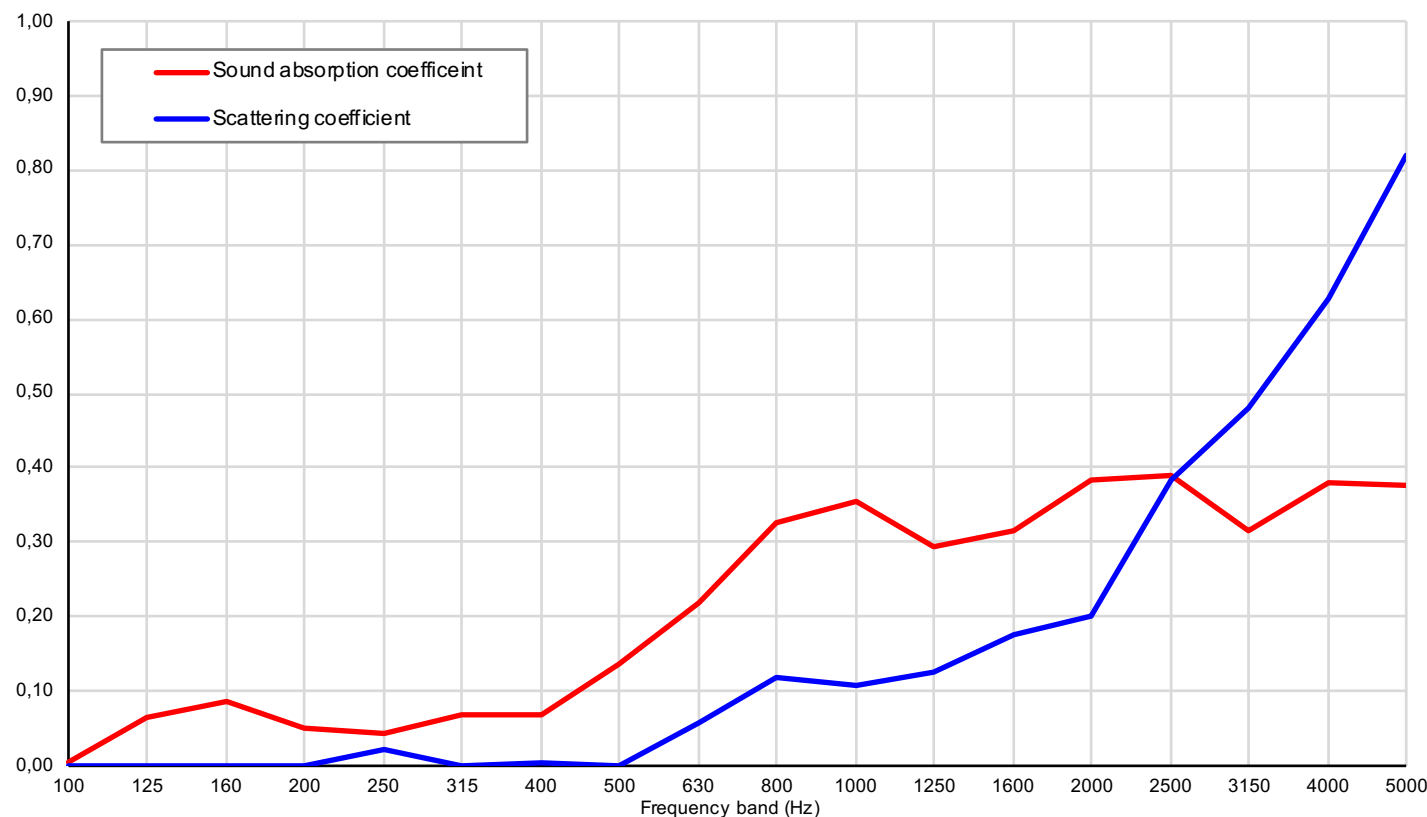
Air pressure (kPa):

96

96

96

96



<sup>1</sup> Baseplate scattering coefficient too high

