



# PRODUCT DECLARATION

## SOUND ABSORPTION AREA FOR OBJECT

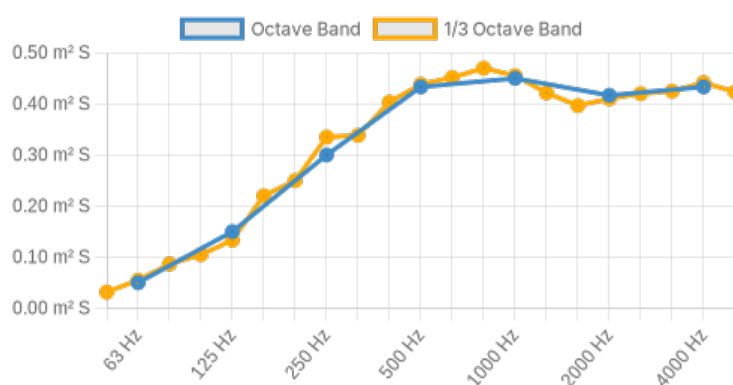
Measured and evaluated according to ISO 354 and ISO 20189

|                   |  |
|-------------------|--|
| <b>Producer:</b>  | Götessons, Akustikmiljö / Am Acoustics |
| <b>Object:</b>    | Nivå                                   |
| <b>Size [mm]:</b> | w=80 h=600 d=600                       |

### Equivalent sound absorption area per unit (m<sup>2</sup> Sabine)

| f(Hz) | 1/3 Octave Band | Octave Band |
|-------|-----------------|-------------|
| 50    | 0.03            |             |
| 63    | 0.06            | 0.05        |
| 80    | 0.09            |             |
| 100   | 0.10            |             |
| 125   | 0.13            | 0.15        |
| 160   | 0.22            |             |
| 200   | 0.25            |             |
| 250   | 0.33            | 0.30        |
| 315   | 0.34            |             |
| 400   | 0.40            |             |
| 500   | 0.44            | 0.43        |
| 630   | 0.45            |             |
| 800   | 0.47            |             |
| 1000  | 0.46            | 0.45        |
| 1250  | 0.42            |             |
| 1600  | 0.40            |             |
| 2000  | 0.41            | 0.42        |
| 2500  | 0.42            |             |
| 3150  | 0.42            |             |
| 4000  | 0.44            | 0.43        |
| 5000  | 0.42            |             |

Equivalent sound absorption area per unit



N<sub>10</sub> = 24

|                             |                       |
|-----------------------------|-----------------------|
| <b>ORIGINAL TEST REPORT</b> | <b>DATE OF REPORT</b> |
| 16-239-M2                   | 2016-12-02            |





# PRODUCT DECLARATION

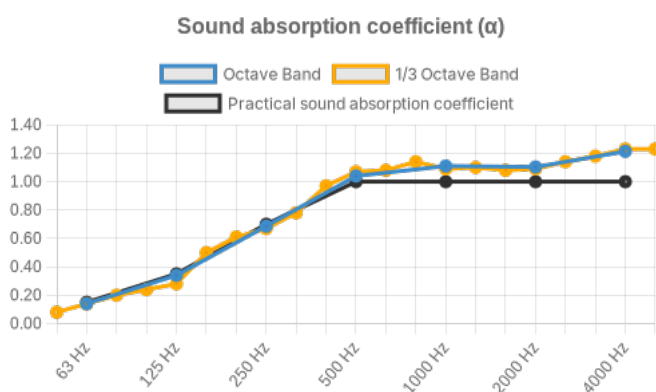
## SOUND ABSORPTION COEFFICIENT FOR SURFACE

Measured and evaluated according to ISO 354 and ISO 11654

|                   |  |
|-------------------|--|
| <b>Producer:</b>  | Götessons, Akustikmiljö / Am Acoustics |
| <b>Object:</b>    | Nivå                                   |
| <b>Size [mm]:</b> | w=80 h=600 d=600                       |

### Sound absorption coefficient

| f(Hz) | 1/3 Octave Band ( $\alpha_s$ ) | Octave Band ( $\alpha$ ) | Practical sound absorption coefficient ( $\alpha_p$ ) |
|-------|--------------------------------|--------------------------|---|
| 50    | 0.08                           |                          |   |
| 63    | 0.14                           | 0.14                     | 0.15  |
| 80    | 0.20                           |                          |   |
| 100   | 0.24                           |                          |   |
| 125   | 0.28                           | 0.34                     | 0.35  |
| 160   | 0.50                           |                          |   |
| 200   | 0.61                           |                          |   |
| 250   | 0.67                           | 0.69                     | 0.70  |
| 315   | 0.78                           |                          |   |
| 400   | 0.97                           |                          |   |
| 500   | 1.07                           | 1.04                     | 1.00  |
| 630   | 1.08                           |                          |   |
| 800   | 1.14                           |                          |   |
| 1000  | 1.09                           | 1.11                     | 1.00  |
| 1250  | 1.10                           |                          |   |
| 1600  | 1.08                           |                          |   |
| 2000  | 1.09                           | 1.10                     | 1.00  |
| 2500  | 1.14                           |                          |   |
| 3150  | 1.18                           |                          |   |
| 4000  | 1.23                           | 1.21                     | 1.00  |
| 5000  | 1.23                           |                          |   |



$\alpha_w = 1$

| ORIGINAL TEST REPORT | DATE OF REPORT |
|----------------------|----------------|
| 16-239-M1            | 2016-12-02     |

