

Statement about Noise Reduction Coefficient of Visible – Zero Carbon Acoustic Spray

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Assignment	Statement about Noise Reduction Coefficient of Visible – Zero Carbon Acoustic Spray.
Subject	The customer has done sound absorption tests according to standards <i>ISO 354:2003, Acoustics - Measurement of sound absorption in a reverberation room</i> and <i>ISO 11654:1997, Acoustics - Sound absorbers for use in buildings - Rating of sound absorption</i> for their product Visible-Zero Carbon Acoustic Spray. Tests were done by Eurofins Expert Service Oy (reports EUFI29-20003616-T3-EN and EUFI29-20003616-T4-EN). Customer wants Noise Reduction Coefficient (NRC) single number rating for these products.
Statement	NRC rating is defined in ASTM C423 - Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method. Test samples and methods described by the standards ISO 354 and ASTM C423 do vary some, but the results α (ASTM C423) and α_s (ISO 354) should still be very close to each other. Thus, the NRC value calculated from ISO 354 measurements should be accurate.

The results are only valid for the tested sample(s). In a conflict situation, the original reports are valid.

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Table 1. The Noise Reduction Coefficient of the Visible- Zero Carbon Acoustic Spray calculated from α_s values from reports EUFI29-20003616-T3-EN and EUFI29-20003616-T4-EN. Weighted sound absorption coefficient α_w and Sound absorption class from the reports are also presented.

Visible - Zero Carbon Acoustic Spray				
Sample	Weight kg/m ² (Only acoustic spray)	Weighted sound absorption coefficient α_w	Sound absorption class	Noise Reduction Coefficient NRC
Visible – Zero Carbon Acoustic Spray 25 mm	2,20	0,75 (H)	C	0,8
Visible – Zero Carbon Acoustic Spray 35 mm	3,04	0,9	A	0,9

Espoo, 19.2.2021

Mika Lojander

Expert

The report is electronically signed

Distribution

Customer, electronically approved

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