Test acoustique

FORMS
RM 1057 Madone lin

ÉLITIS

Fréquence (Hz)	α	TR vide (s)	TR matériau (s)
100	0	10.9	11.20
125	0	11.44	11.93
160	0.01	11.61	11.46
200	0.01	11.39	11.13
250	0.02	11.99	11.57
315	0.03	11.48	10.71
400	0.09	9.62	8.28
500	0.03	8.68	8.24
630	0.15	8.19	6.73
800	0.19	7.33	5.88
1000	0.38	6.75	4.61
1250	0.46	6.67	4.30
1600	0.39	6.05	4.24
2000	0.49	5.95	3.88
2500	0.56	5.26	3.43
3150	0.52	4.42	3.12
4000	0.56	3.69	2.69
5000	0.53	3.1	2.38
6300	0.65	2.55	1.96

Table 1 : **FORMS Madone lin - RM 1057**
Coefficient d'absorption et temps de réverbération avec et sans matériau en fonction de la fréquence par bande de tiers d'octave.

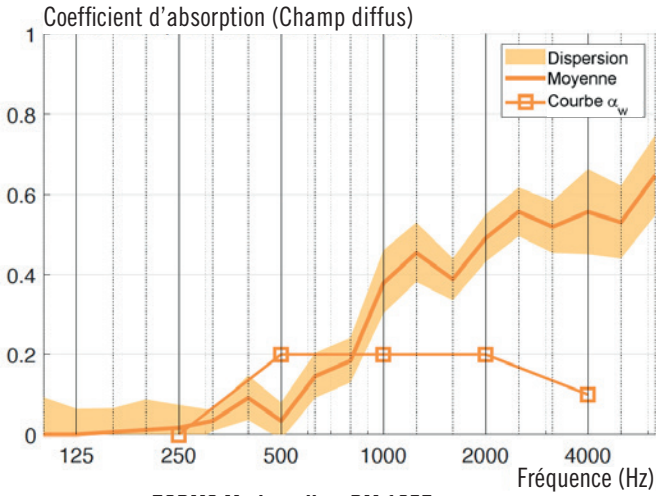

Figure 1 : **FORMS Madone lin - RM 1057**
Coefficient d'absorption en champ diffus, dispersion et courbe de référence pour le calcul de l'indice unique α_ω

Fréquence (Hz)	α
250	0.02
500	0.09
1000	0.34
2000	0.48
4000	0.54
α_ω	**0.20 (H)**

Table 2 : **FORMS Madone lin - RM 1057**
Coefficient d'absorption en fonction de la fréquence par bande d'octave et indice unique α_ω

Sound absorption measurements

FORMS
RM 1057 Madone lin

ÉLITIS

Frequency (Hz)	α	TR empty (s)	TR mat (s)
100	0	10.9	11.20
125	0	11.44	11.93
160	0.01	11.61	11.46
200	0.01	11.39	11.13
250	0.02	11.99	11.57
315	0.03	11.48	10.71
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5000	0.53	3.1	2.38
6300	0.65	2.55	1.96

Table 1 : **FORMS Madone lin - RM 1057**
Sound absorption coefficient and reverberation time with and without samples as a function of the frequency in third-octave bands.

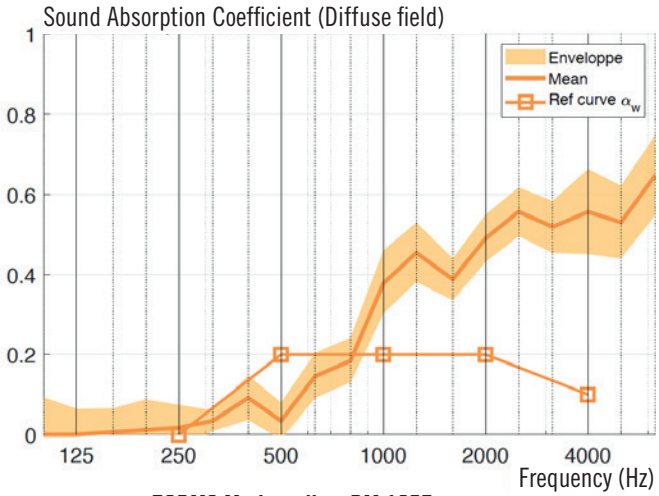

Figure 1 : **FORMS Madone lin - RM 1057**
Sound absorption coefficient under diffuse field, envelope and reference curve for single-value indicator α_ω

Frequency (Hz)	α
250	0.02
500	0.09
1000	0.34
2000	0.48
4000	0.54
α_ω	**0.20 (H)**

Table 2 : **FORMS Madone lin - RM 1057**
Sound absorption coefficient as a function of the frequency in octave bands and single-value rating α_ω