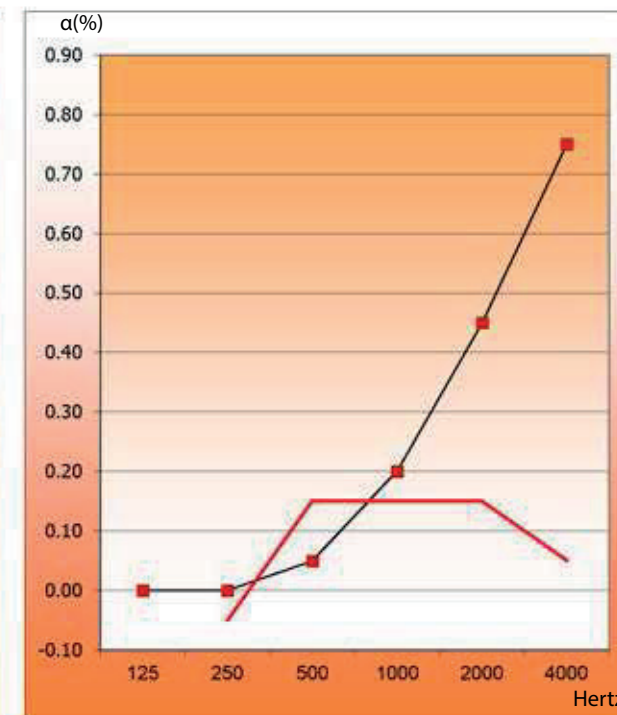
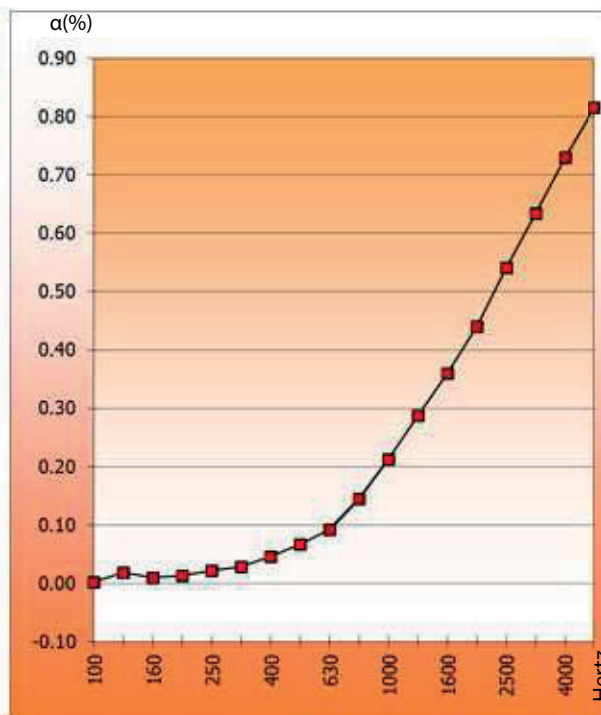


**Client:** HOLLANDFELT  
**Date of test:** 24<sup>th</sup> of March, 2015

**Sound absorption in reverberant room according to UNE-EN ISO 354:2004**

**5MM**

Frequency (Hz)	RT empty room (s)	RT with test element (s)	$A_T (m^2)$	$\alpha_s$
100	13.35	13.25	0.02	0.00
125	11.39	10.78	0.19	0.02
160	10.68	10.39	0.10	0.01
200	11.56	11.08	0.14	0.01
250	11.81	11.02	0.24	0.02
315	11.24	10.34	0.30	0.03
400	10.75	9.48	0.49	0.05
500	10.68	8.94	0.72	0.07
630	9.98	7.97	1.00	0.09
800	9.44	6.86	1.57	0.15
1000	8.89	5.84	2.31	0.21
1250	7.84	4.84	3.11	0.29
1600	6.83	4.07	3.90	0.36
2000	5.83	3.41	4.76	0.44
2500	4.87	2.81	5.86	0.54
3150	4.01	2.35	6.87	0.63
4000	3.02	1.87	7.90	0.73
5000	2.30	1.50	8.83	0.82



**Test element description:**

Wool felt 5 mm thick referenced SC color 100% wool 5 mm (DEC05).



Frequency (Hz)	$\alpha_p$
125	0.00
250	0.00
500	0.05
1000	0.20
2000	0.45
4000	0.75

Weighted sound absorption coefficient ( $\alpha_w$ )	<b>0.15</b>
Shape	HH
Class $\alpha_w$	E (0.15 a 0.25)