

# Sintra G-100

SOUND ABSORPTION COEFFICIENT ACCORDING TO ISO 354 AND ISO 11654

Measurement of sound absorption coefficient in a reverberation room

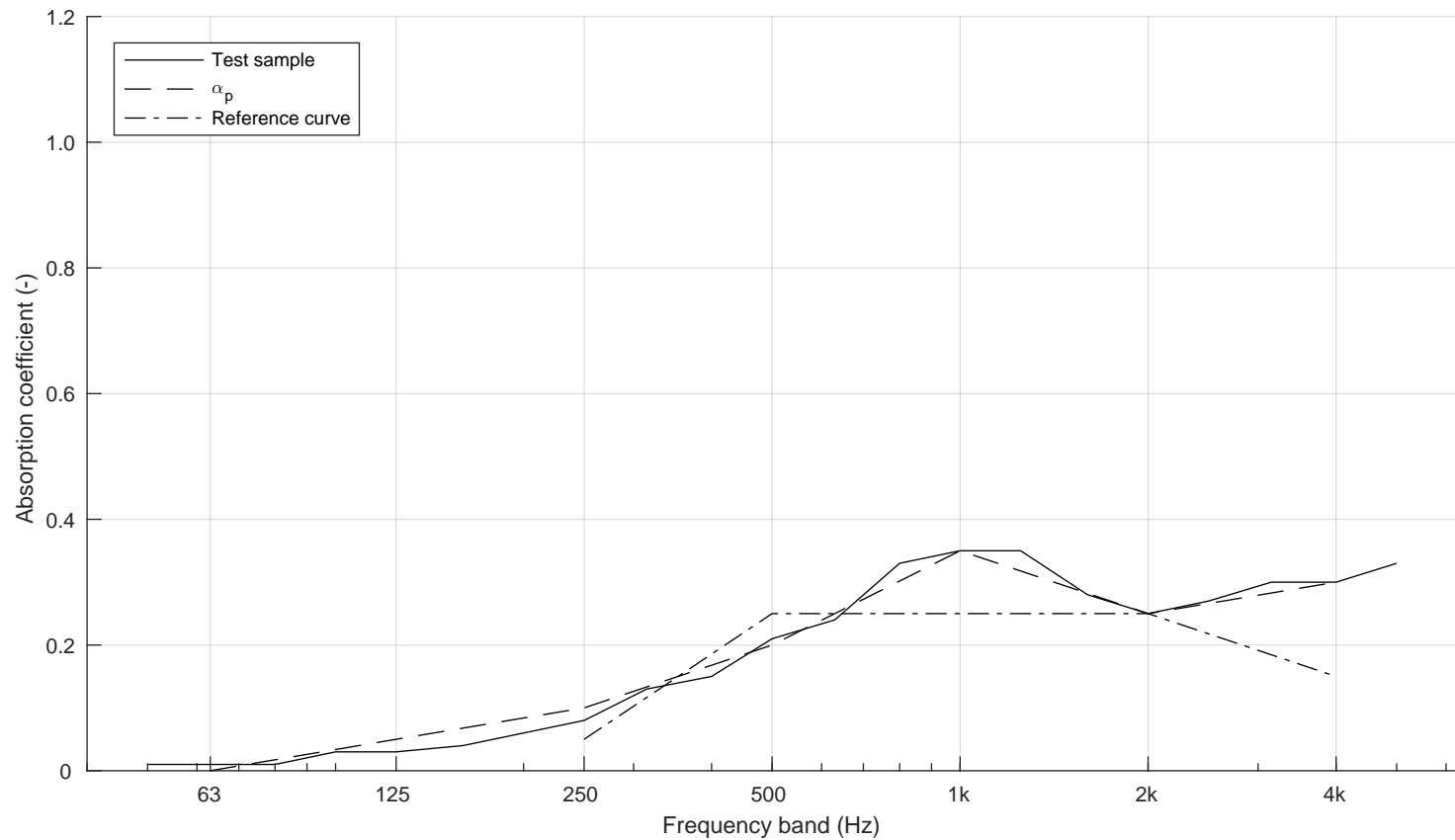


Report number:  
**17-174-M5**  
Date  
**2017-06-16**

Frequency f [Hz]	Sound absorption coefficient	
	$\alpha_s$	$\alpha_p$
50	0.01	
63	0.01	0.00
80	0.01	
100	0.03	
125	0.03	0.05
160	0.04	
200	0.06	
250	0.08	0.10
315	0.13	
400	0.15	
500	0.21	0.20
630	0.24	
800	0.33	
1000	0.35	0.35
1250	0.35	
1600	0.28	
2000	0.25	0.25
2500	0.27	
3150	0.30	
4000	0.30	0.30
5000	0.33	

Client: AB Ludvig Svensson  
 Manufacturer: AB Ludvig Svensson  
 Product identification: Sintra  
 Description of test specimen: Ej draperad.  
 G-100 montage.  
 187 g/m<sup>2</sup>, 100% Trevira CS.  
 Tyggyta 3,47 x 2,90 m.

Reverberation room volume: 200 m<sup>3</sup>  
 Temperature: 17.4 °C (empty: 17.5 °C)  
 Air humidity: 59 % (empty: 57 %)  
 Air pressure: 98.2 kPa (empty: 98.2 kPa)  
 Size of specimen: 10.1 m<sup>2</sup>  
 Measurement date: 2017-06-08  
 Measured by: Carl Nyqvist



$\alpha_w = 0.25$

Absorption class = E