

support

air-gap rock wool

CELENIT ABE



Certificate No. 324531-B

Date 14.05.2015

CELENIT ABE 25 mm rock wool 30 mm, density 40 kg/m³ air-gap 30 mm

Total height (TH) 85 mm

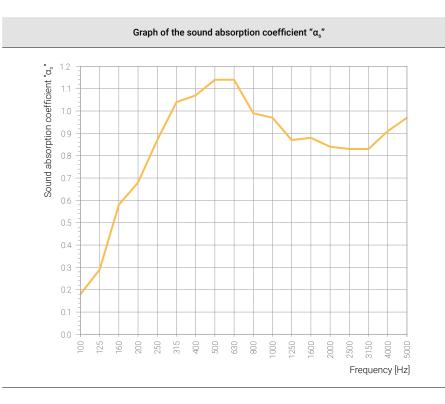
MEASUREMENT OF THE SOUND ABSORPTION COEFFICIENT

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Measurement in reverberation room of the sound absorption coefficient " α_s " according to EN ISO 354:2003 standard. Tests were carried out at the acoustics laboratory of the Giordano Institute (Bellaria - RN - Italy).

Paint doesn't affect sound absorption performances of CELENIT panels as described in the technical note provided by Giordano Institute dated 16.07.2015. Sound absorption values are also valid for products with grey cement.

α_w (shape indicator)	0.95 A	
Sound absorption class		
SAA - Sound absorption average	0.94	
NRC - Noise reduction coefficient	0.95	



Frequency [Hz]	α _s	α _{p,oct}
100	0.18	0.35
125	0.29	
160	0.58	
200	0.68	0.85
250	0.87	
315	1.04	
400	1.07	1.00
500	1.14	
630	1.14	
800	0.99	0.95
1000	0.97	
1250	0.87	
1600	0.88	0.85
2000	0.84	
2500	0.83	
3150	0.83	0.90
4000	0.91	
5000	0.97	

The data of the present technical data sheet is correct at the time of release. CELENIT S.p.A. is continuously improving the products, therefore this technical data sheet can be up-dated without prior notice. Please contact our technical assistance to get the latest release.



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