

SOUND ABSORPTION COEFFICIENT

This document is established on the basis of the LNE report : M040286 – DMSI/1

Applicant: ROCKFON
Rockwool A/S
hovedgaden 501
2640 Hedehusene
DENMARK

Suspended ceiling
Rockfon
MediCare Standard

Description of the product:

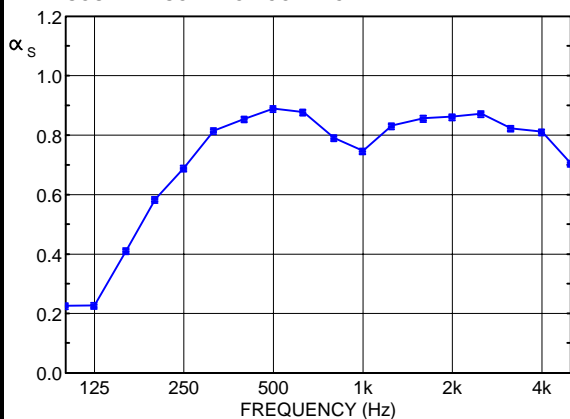
- Component.....: **Mineral wool**
- Density.....: **100 kg / m³**
- Thickness: **12 mm**

Test conditions:

- Date of measurement: **14 April 2011**
- Size of the sample: **30 plates (5x6) 600 x 600 mm**
- Other test conditions.....: **200 mm air plenum (E-200)**

The measurements are performed according to NF EN ISO 354:2004 standard.

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F(Hz)	α_s	α_p
100	0.23	
125	0.23	0.30
160	0.41	
200	0.58	
250	0.69	0.70
315	0.82	
400	0.86	
500	0.89	0.85
630	0.88	
800	0.79	
1000	0.75	0.80
1250	0.83	
1600	0.86	
2000	0.86	0.85
2500	0.87	
3150	0.82	
4000	0.81	0.80
5000	0.71	

Results:

NF EN ISO 11654:1997

Weighted coefficient

$\alpha_w = 0.85$

Class B

Trappes, 3 May 2011

**Head delegate for acoustic
activity of FC2A department**



Jean-Noël DUROCHER



Test Officer



Dominique HERVIEU