

## Sound absorption coefficient according to ISO 354, DIN EN ISO 11654, ASTM C 423

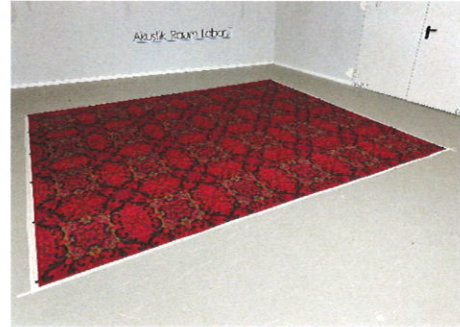
On behalf of: EGETÆPPER A/S, INDUSTRIVEJ NORD 25, DK-7400 HERNING

### Object:

Colortec 80/20 1100 LF

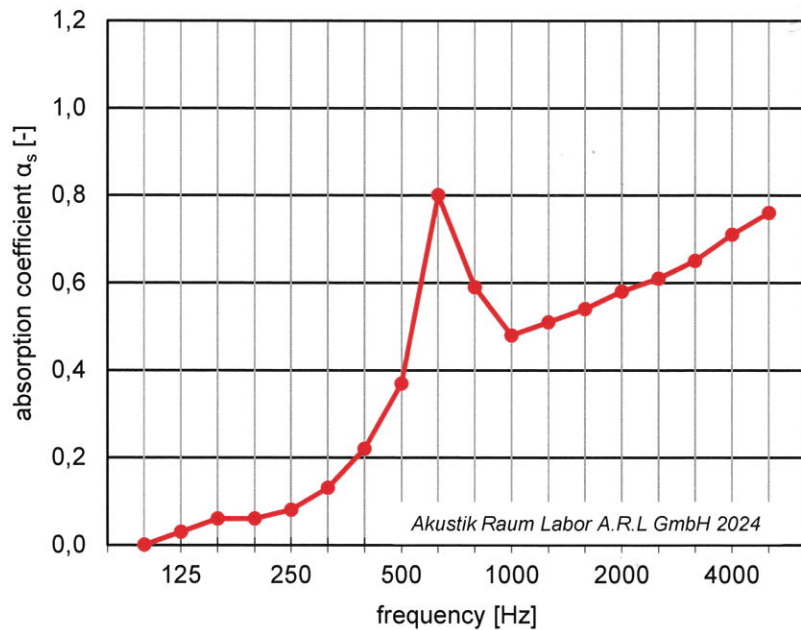
### Assembly:

Bale: 357049960108471598  
Item: 189001100  
Batchno.: -  
Dim.: 4000/3000mm



### Sound absorption coefficient $\alpha_s$ according to DIN EN ISO 354

Frequency [Hz]	$\alpha_s$ [-]
100	0,00
125	0,03
160	0,06
200	0,06
250	0,08
315	0,13
400	0,22
500	0,37
630	0,80
800	0,59
1000	0,48
1250	0,51
1600	0,54
2000	0,58
2500	0,61
3150	0,65
4000	0,71
5000	0,76



### Practical Sound absorption coefficient $\alpha_p$ according to DIN EN ISO 11654

Frequency [Hz]	$\alpha_p$ [-]
125	0,05
250	0,10
500	0,45
1000	0,55
2000	0,60
4000	0,70

Parameters after ASTM 423		
NRC	=	0,40
SAA	=	0,41
Parameters after DIN EN ISO 11654		
$\alpha_w$	=	0,40
Sound Absorption Class D		

Rev. chamber: A.R.L. GmbH  
Date: 14.10.2024  
Volume: 205 m<sup>3</sup>  
Specimen size: 12 m<sup>2</sup>  
Temperature: 18,9 °C  
Humidity: 52,1 %

Akustik Raum Labor

Waechtersbach,  
20.12.2024

Signature: 

Report-No.: ARL202410120  
Test-No.: M018

Akustik Raum Labor A.R.L. GmbH  
Industriestr. 38  
63607 Wächtersbach

☎ + 49 (0) 6053 62067 0  
☎ + 49 (0) 6053 62067 26  
✉ info@akustik-raum-labor.de