

Acoustic performance – tested in accordance with BS EN ISO 10140-2: 2010

Sample 1: VL-85 Nominal 8kg/m². Nominal thickness 3.5mm. Multilayer composite made of textile felt thermally adhered to a viscoelastic high density sound barrier membrane. Sample size excluding retaining frame 1.93m².

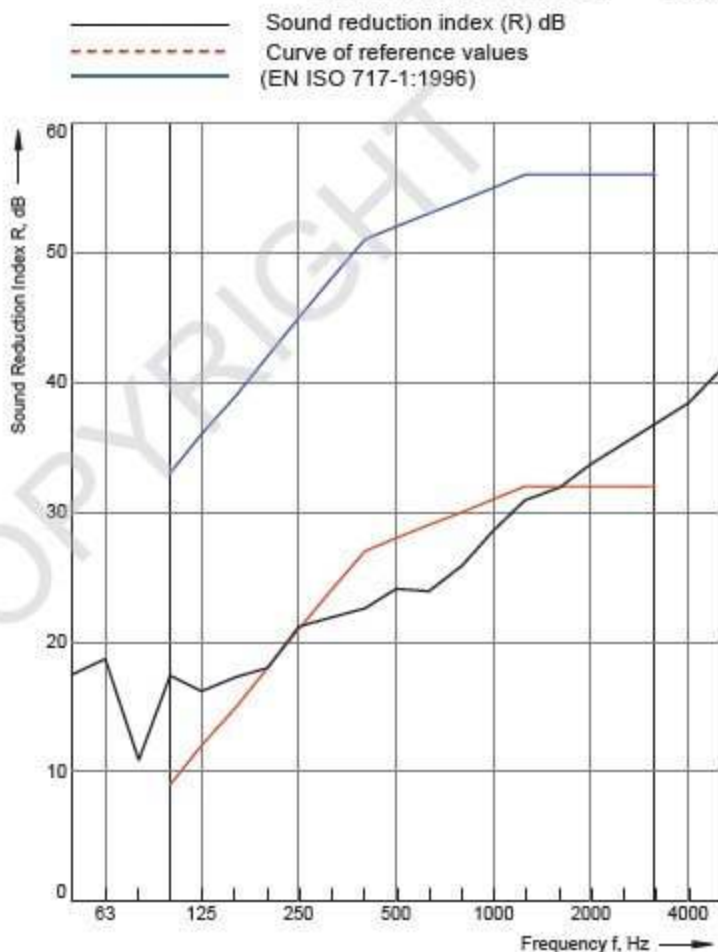
Test Date: 02/07/2013

Test Number: 130702 002

Test specimen installed by: Technical Services
 Test room temperature: 21.6°C
 Test room static pressure: 1020 hpa
 Test room relative humidity: 55%

Area of test element: 1.93m²
 Source room volume: 68.40m³
 Receiving room volume: 50.00m³
 Sample mass per unit area: 5.84kg/m²

Frequency f Hz	R 1/3 Octave dB
50	17.5
63	18.7
80	10.9
100	17.4
125	16.2
160	17.3
200	18.0
250	21.2
315	21.9
400	22.8
500	24.1
630	23.9
800	25.9
1000	28.6
1250	30.9
1600	31.9
2000	33.7
2500	35.2
3150	36.8
4000	38.4
5000	40.9



Rating according to ISO 717-1

$R_w (C; C_{tr}) = 28 (-1; -3) \text{ dB}$

$C_{50-3150} = -1 \text{ dB}; C_{50-5000} = 0 \text{ dB}; C_{100-5000} = 0 \text{ dB};$

Evaluation based on laboratory measurement results obtained in one-third-octave bands by an engineering method

$C_{tr,50-3150} = -4 \text{ dB}; C_{tr,50-5000} = -4 \text{ dB}; C_{tr,100-5000} = -3 \text{ dB};$