



TECHNICAL NOTE

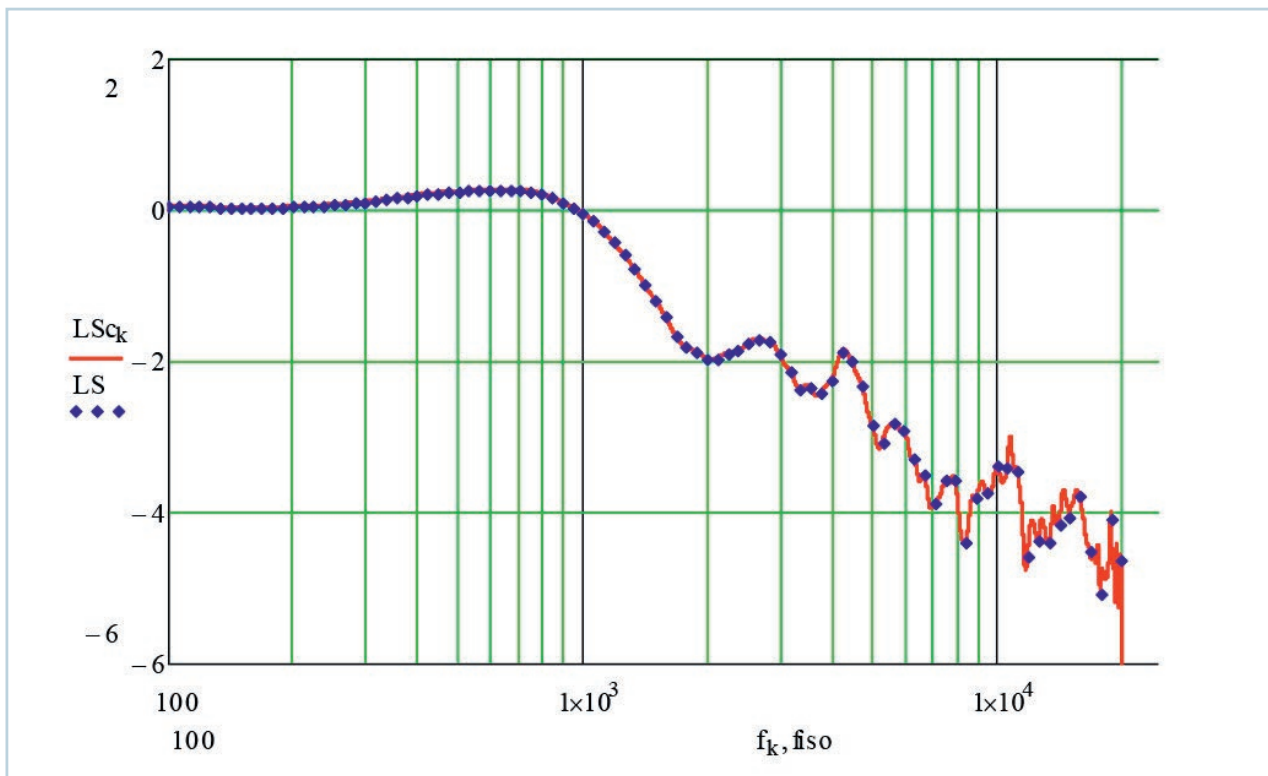
Nor4576 Additional large windscreen for Nor1216 / Nor1217 / Nor1218

The windscreen Nor4576 is designed to minimize the wind induced noise on the outdoor microphones Nor1216, Nor1217 and Nor1218.

Frequency corrections are supported in Nor140, Nor145 and Nor150 to obtain a correct frequency response according to IEC 61672 class 1 for the horizontal direction.

The figure below shows the result plotted with 0.3 Hz resolution and in 1/6-octave increments.

The windscreen is fitted above the standard windscreen used on the Nor1216 / Nor1217 / Nor1218.



Tabular values

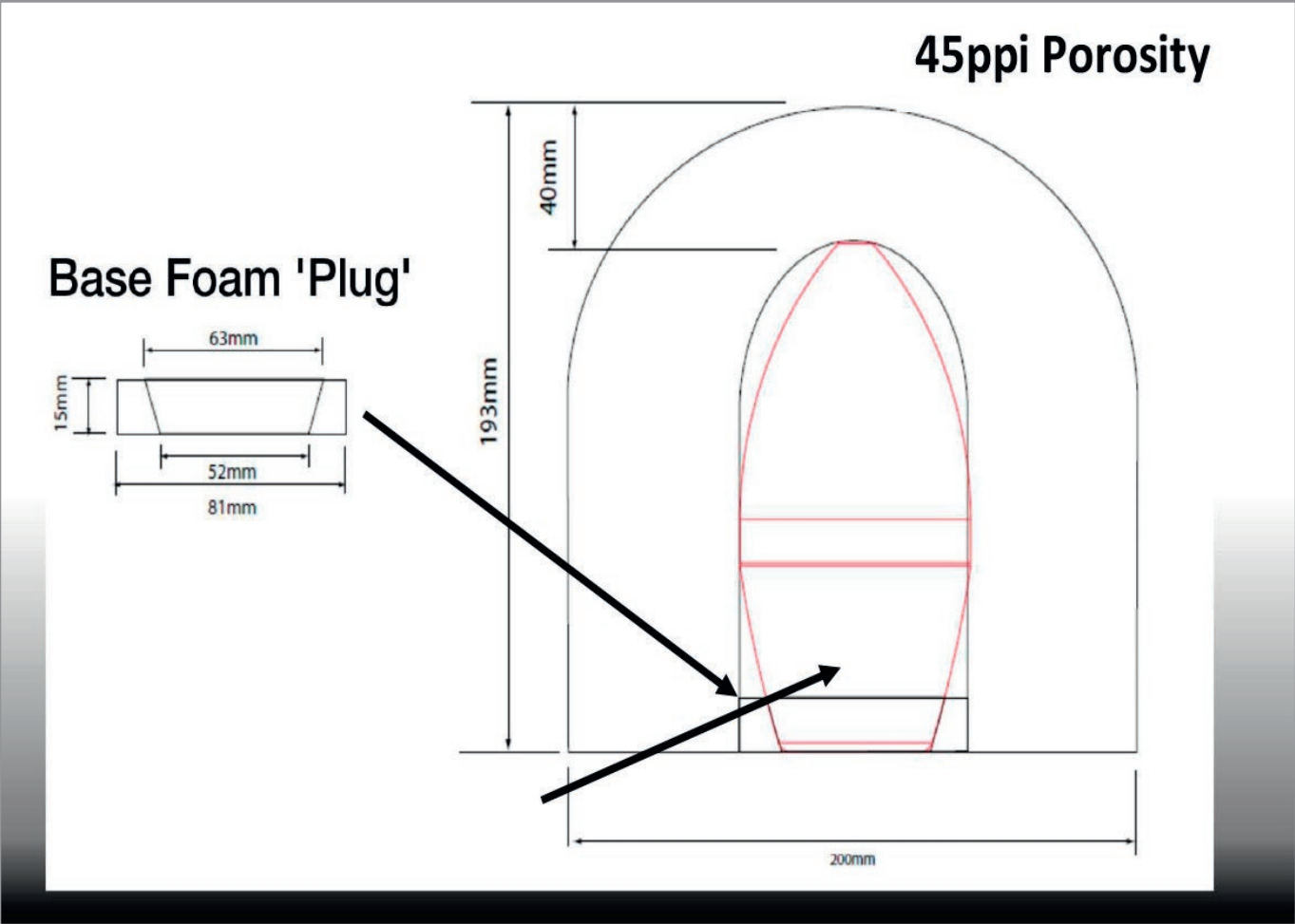
Freq. Hz	Gain dB
100	0.0
112.2018	0.0
125.8925	0.0
141.2538	0.0
158.4893	0.0
177.8279	0.0
199.5262	0.0
223.8721	0.0
251.1886	0.1
281.8383	0.1
316.2278	0.1
354.8134	0.2
398,1072	0.2
446.6836	0.2
501.1872	0.2
562.3413	0.3
630.9573	0.3
707.9458	0.3
794.3282	0.2
891.2509	0.1
1000	0.0
1122.018	-0.3
1258.925	-0.6
1412.538	-0.1
1584.893	-1.4
1778.279	-1.8
1995.262	-2.0
2238.721	-1.9
2511.886	-1.8
2818.383	-1.7

Freq. Hz	Gain dB
3162.278	-2.1
3548.134	-2.3
3981.072	-2.3
4466.836	-2.0
5011.872	-2.9
5623.413	-2.8
6309.573	-3.3
7079.458	-3.9
7943.282	-3.6
8912.509	-3.8
10000	-3.4
11220.18	-3.5
12589.25	-4.4
14125.38	-4.2
15848.93	-3.8
17782.79	-5.1
19952.62	-4.6

The table shows the difference in frequency response between measurements taken with the normal Nor1216 / Nor1217 / Nor1218 microphone protection kit, and the addition of the Nor4576 secondary windshield. In each case the values have been rounded to the nearest 0.1 dB.

Technical Drawing

The drawing shows the Nor4576 added onto a standard Nor4529 windshield.



Noise Floor with Nor4576 Windshield

The measurements below indicate the noise floor of the Nor1216 / Nor1217 / Nor1218 at different wind speeds when fitted with the additional Nor4576 large windscreen. The measurements indicate 5 – 7 dB less noise in each frequency band than for the standard Nor1216 / Nor1217 / Nor1218 windshield. The measurements were made with a speed of 5 m/s and 10 m/s.

