

TEST REPORT

FOR: GIK Acoustics
Atlanta, GA

Sound Absorption Test
RAL™-A06-118

ON: Tri-Traps

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CONDUCTED: 5 May 2006

TEST METHOD

The test method conformed explicitly with the requirements of the ASTM Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method: ASTM C423-02a and E795-05. Riverbank Acoustical Laboratories has been accredited by the U.S. Department of Commerce, National Institute of Standards and Technology (NIST) under the National Voluntary Laboratory Accreditation Program (NVLAP) for this test procedure (NVLAP Lab Code: 100227-0). A description of the measuring procedure and room qualifications is available separately.

DESCRIPTION OF THE SPECIMEN

The test specimen was designated by the manufacturer as Tri-Traps. The specimen consisted of eight (8) units which consisted of a fabric covered triangular unit. Each unit as measured was nominally 1.22 m (48 in.) wide by 432 mm (17 in.) high and 432 mm (17 in.) thick. The units were composed of fabric faced acoustic material structurally framed back sides and bottom. The specimen was tested in the laboratory's 292 m³ (10,311 ft³) test chamber.

The weight of the entire set of units as measured was 69.2 kg (152.5 lbs), an average of 8.6 kg (19.1 lbs). The room temperature at the time of the test was 22°C (71°F) and 58±1% relative humidity.

MOUNTING J

Seven units were distributed about the test chamber as follows: Two units each on the south and west walls and three units on the north wall. The units were butted up against the test room wall with the long dimension of the unit parallel to the wall-floor intersection. The units were located 203 mm (8 in.) apart. An eighth unit was located at the northwest corner of the room. The unit stood vertically, with the bottom touching the test room floor. The sides of the face of the unit were located 127 mm (5 in.) from the north and west wall surfaces.

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TEST RESULTS

1/3 Octave Center Frequency (Hz)	Absorption Sabins/Unit	Total Absorption In Sabins
100	12.31	98.45
** 125	12.87	102.92
160	13.51	108.08
200	12.66	101.31
** 250	12.78	102.20
315	11.98	95.85
400	11.38	91.06
** 500	10.69	85.52
630	10.15	81.19
800	9.23	73.85
** 1000	8.89	71.11
1250	8.65	69.21
1600	8.39	67.12
** 2000	8.05	64.36
2500	7.79	62.33
3150	7.41	59.25
** 4000	7.43	59.45
5000	7.15	57.17

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Tested by _____ Approved by _____

Marc Sciaky
Senior Technician

David L. Moyer
Laboratory Manager

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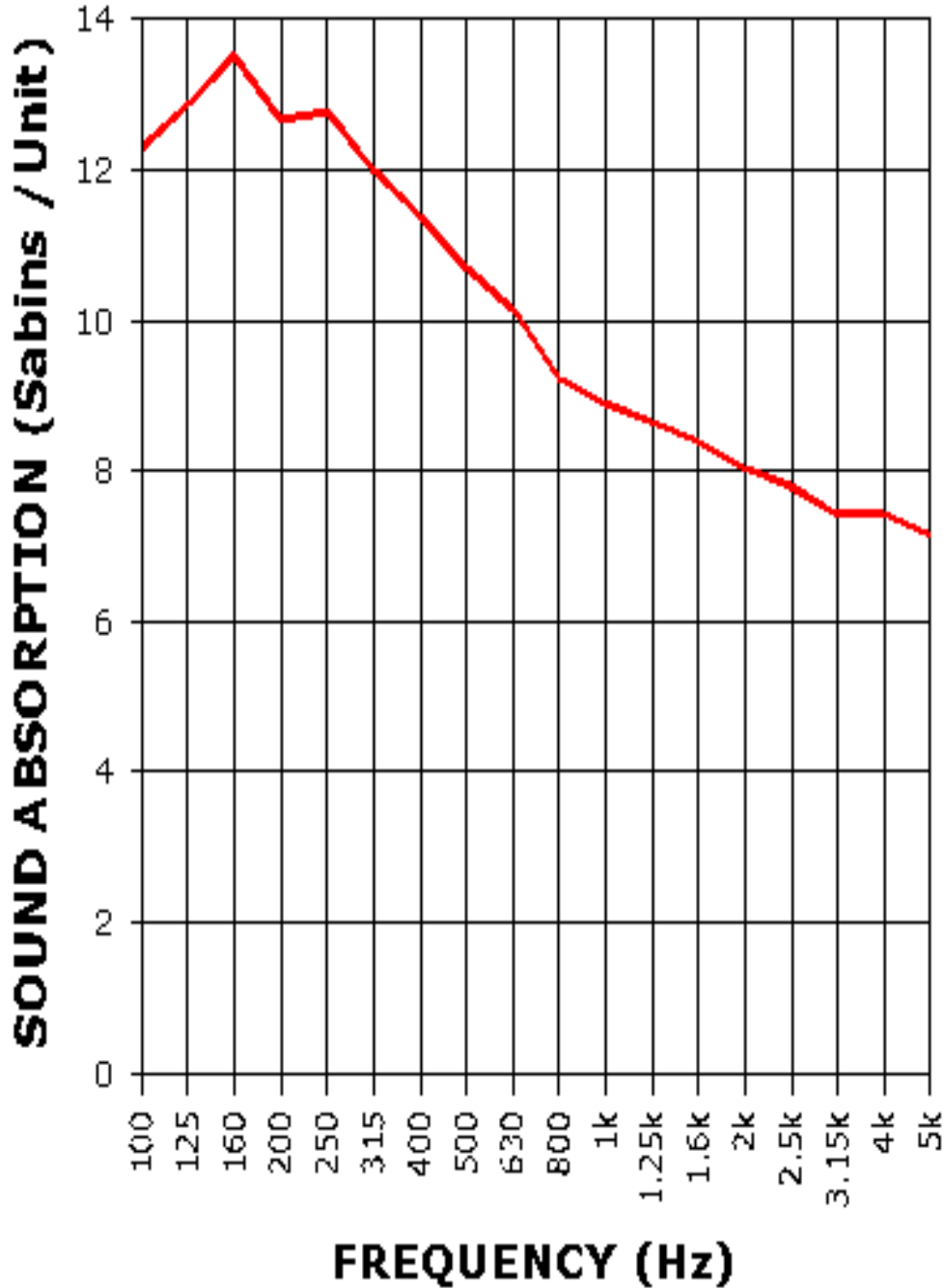
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**SOUND ABSORPTION REPORT
RAL-A06-118**



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