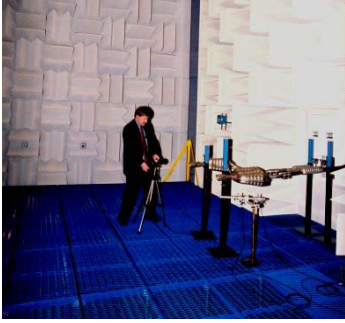


PROJECT REVIEW — EBERSPÄCHER

50 YEARS OF SERVICE TO INDUSTRY

ISO9001 REGISTERED FIRM

ANECHOIC CHAMBER



The chamber is used in the research and development of exhaust systems the chamber measures internally 12,192mm wide, 18,898mm long and 5,791mm high, and chamber has an internal ambient measured sound pressure level (Lp) of 23dB(A) and conforms to ISO 3745 a cut off frequency of 80Hz was recorded.

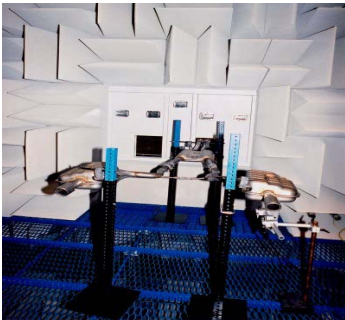
Eckel provided a turnkey project incorporating the acoustic treatment to all internal surfaces, and a grate floor.

PRODUCT UNDER TEST



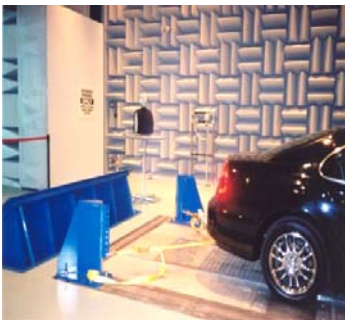
Penetration pipes were installed to enable the coupling up of the exhaust system components undergoing the test. This kept the floor of the chamber clear of flexible ductwork, thus reducing trip hazards and further possible sources of noise.

DETAIL VIEW



Eckel's perforated wedge design is ideal for rigours of the automotive industry, being very robust, but easy to replace if severely damaged and easy to clean.

HEMI ANECHOIC



This chamber was constructed to accommodate a complete vehicle, thus enable the client to test the exhaust system in situ.

Note the retractable exhaust attachment area (painted blue) to reduce emissions within the chamber.

CORNER VIEW



Special wedge design for the corners incorporated the fresh air supply system for the chamber.

Supply and extract ductwork had attenuators fitted to prevent any noise breakthrough from fans etc.

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