PROJECT REVIEW - NPL

50 YEARS OF SERVICE TO INDUSTRY *ISO9001 REGISTERED FIRM*

FULL - ANECHOIC

FULL ANECHOIC CHAMBER

Designed and tested to a cut-off frequency of 63Hz. This chamber has the unique design of a retractable floor allowing a test product to be set up in the chamber with the safety of a working floor, but then removed for testing by a push of a button, giving the full anechoic chamber performance.

HEMI - ANECHOIC

HEMI ANECHOIC CHAMBER

Designed and tested to a cut-off frequency of 80Hz. The wedge design used has been refined over the last 50 Years, allowing precise and guaranteed results. There are chambers with this design 40 years young still working to this day .

Both the full and hemi anechoic chambers used Wedge type EWC.

DOUBLE DOORS

DOUBLE DOORS - CHAMBERS

In order to maintain the high noise reduction performance, a double door lobby was designed and constructed. Each door has a performance of Rw55.

Heavy duty latches and hinges were used, to steady the heavy doors leaves. Panic latches were also installed for quick exit.

SINGLE DOORS

SINGLE DOORS - CHAMBERS

Again a lobby arrangement was used to achieve the required performance. Each door has a performance of Rw55.

The inner reverberation chamber door also had to meet the requirements of the chambers internal environment, thus resulting in a total weight of the door of 2.5 tonnes.

LABORATORY DOORS

LABORATORY DOORS

Throughout the new NPL acoustic facility, a high degree of noise isolation was required. Eckel provided laboratory doors with a performance of RW45, to many of the lab. areas. All doors had to have flush thresholds for ease of access, whilst still maintaining performance.

Vision panels were also included.

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