Rob Miller06/02/2012 - Público

threedb.com compartió inicialmente esta publicación:

Acoustics site threedB.com is pleased to announce the latest and most significant update to its web-based Reverberation Time (RT60) calculator, a Suggested Finishes list that auto-updates based on room absorption requirements.

With each room surface entered by a user, the calculator looks at the absorption required to meet the room's RT60 goal and matches it with finishes that provide absorption at those frequencies, while impacting frequencies that already meet the RT60 goal the least. The database of room finishes has about 400 finish/mounting configurations, mostly sourced from textbooks or laboratory test data from manufacturers with distribution in the USA.

The RT60 calculator was originally released in late October 2011 and simultaneously models the Sabine, Eyring, Fitzroy, and Arau-Pruchades equations between the 125 and 4000 Hz octave bands. Audience areas are entered separately and show graphically the RT range between occupied and unoccupied conditions. Logged in users may save and export (CSV) calculations. Metric or imperial units may be used. A recent update permits the user to see the formula and calculation for each RT model octave band frequency by clicking on the RT result.

Manufacturers worldwide are encouraged to submit laboratory test data according to ASTM C423 or ISO 354 for inclusion in the database. A link to the complete test report hosted on the manufacturer's domain is strongly recommended.