



Innovation: Enhanced acoustical performance

Schools v3 EQc9 | Possible 1 point

Intent

To provide classrooms that facilitate better teacher-to-student and student-to-student communications through effective acoustical design.

Requirements

Sound transmission

Design classrooms and other core learning spaces to meet the Sound Transmission Class (STC) requirements of ANSI Standard S12.60-2002, Acoustical Performance Criteria, Design Requirements and Guidelines for Schools, except windows, which must meet an STC rating of at least 35. Projects outside the U.S. may use a local equivalent to ANSI Standard S12.60-2002.

AND

Background noise

Reduce background noise level¹ to 40 dBA or less from heating, ventilating and air conditioning (HVAC) systems in classrooms and other core learning spaces.