

UniQuad® and Quadwall®
Special Sound-Insulating Panels

UniQuad and Quadwall sound-insulating systems are similar on the surface to the standard system. Inside the sound-insulating panels are structural modifications consisting of a specialized insert with sound reduction qualities. This allows the sound-insulating system to satisfy the performance requirements for a Sound Transmission Class (STC) ranging from 27 to 43.

Summary of Sound Transmission Loss Test Results

UniQuad and Quadwall sound-insulating panels were tested in accordance with ASTM E90-09, "Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements."

The panels were classified in accordance with:

- ASTM E413-10 "Classification for Rating Sound Insulation"
- ASTM E1332-10a "Standard Classification for Rating Outdoor-Indoor Sound Attenuation"
- ASTM E2235-04 (2012) "Standard Test Method for Determination of Decay Rates for Use in Sound Insulation Test Methods"

Description - UniQuad/Quadwall 4" Panels (Translucent Assembly)	STC
UniQuad/Quadwall - no insert (standard)	26
UniQuad/Quadwall with insert Type Insul 28	27
UniQuad/Quadwall with insert Type F4	34
UniQuad/Quadwall with insert Type F6	35
UniQuad/Quadwall with insert Type F6B4	39
UniQuad/Quadwall with insert Type 12/14	43

Description - UniQuad/Quadwall 3" Panels (Translucent Assembly)	STC
UniQuad/Quadwall - no insert (standard)	23
UniQuad/Quadwall with insert Type F3	26