

ACOUSTICAL PERFORMANCE - ASTM E90

UniQuad/Quadwall Special Sound-Insulating Panels

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

SUMMARY OF SOUND TRANSMISSION LOSS TEST RESULTS:

UniQuad/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.*” They were classified in accordance with ASTM E413-10 “*Classification for Rating Sound Insulation,*” ASTM E1332-10a “*Standard Classification for Rating Outdoor-Indoor Sound Attenuation*” and ASTM E2235-04 (2012) “*Standard Test Method for Determination of Decay Rates for Use in Sound Insulation Test Methods.*”

Description – UniQuad/Quadwall 4” Panels	STC
UniQuad/Quadwall – Translucent Assembly	26
UniQuad/Quadwall with insert Type Insul 28 – Translucent Assembly	27
UniQuad/Quadwall with insert Type F4 – Translucent Assembly	34
UniQuad/Quadwall with insert Type F6 – Translucent Assembly	35
UniQuad/Quadwall with insert Type F6B4 – Translucent Assembly	39
UniQuad/Quadwall with insert Type 12/14 – Translucent Assembly	43

Description – UniQuad/Quadwall 3” Panels	STC
UniQuad/Quadwall – Translucent 3” Assembly	23
UniQuad/Quadwall with insert Type F3 – Translucent Assembly	26