Testing Data Sheet

ACOUSTIC

Performance level:

Models:
Phone Booth
Work Room
Duo Work Room
Meeting Room

		TEST RESULTS	
In-situ Testing*		**Category 1**	**Category 2**
Complete Room Assembly	The Complete FQR Work Room assembly was tested in vacant office building with carpet and suspended acoustic ceiling tiles	**DW 32** **DnTw 33** **NIC 32**	**DW 35** **DnTw 35** **NIC 35**

*Building floor space, floor covering and ceiling height will impact the result.

ACOUSTIC TESTING STANDARDS

In-Situ Tests:
Airbourne Sound Insulation Testing performed in accordance with:
ISO-140.4 (Dw & DnTw)
ASEM E336-20 (NIC)

Results assessed & presented in accordance with calculation procedures:
ISO-717-1 (Dw & DnTw)
ASEM E413-16 (NIC)

GUIDELINE FOR COMMERCIAL BUILDING ACOUSTICS

'The relationship between Rw and Dw values varies according to site-specific factors, such as room geometry and finishes. Competent acoustical consultants are able to advise and document the necessary design Sound Reduction (R) values and construction methods to meet each overall Level Difference (D) value to be provided. Generally, for assessment of typical interior fitouts, the in-situ performance is judged acceptable where the measured Dw test result is at least the design Rw value less 5 dB. In summary, it is recommended that:

Weighted Sound Reduction (Rw) values are used for design and procurement purposes of individual building elements; and Weighted Level Difference (Dw, D.w and DnT.w) values are used for in-situ verification of construction performance because they provide measure of the 'as-experienced' condition, including the level of degradation from any unwanted flanking paths which can arise from poor design and/or construction'.*

**According to the Association of Australian Acoustical Consultants Guideline for Commercial Building Acoustics ver. 2.0. Complete document available via www.aaac.org.au.*

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