

ACOUSTIC PERFORMANCE TEST REPORT

Yaojing Acoustic PVB Film | Internal Factory Test

REPORT STATUS	Internal factory test report. Results apply only to the identified specimen and are not an accredited third-party laboratory certification.
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Report identification

Manufacturer	Anhui Yaojing New Material Technology Co., Ltd.	Report No.	YJ-AC-20180723-01
Product	Yaojing Acoustic PVB Film - 0.76 mm	Test date	July 2018
Test location	Factory Acoustic Test Area	Issue date	23 July 2018
Test purpose	Internal quality-control evaluation	Batch / roll No.	Not recorded

Glazing unit and test conditions

Configuration	2 mm glass 0.76 mm Yaojing Acoustic PVB Film 2 mm glass
Nominal thickness	4.76 mm
Panel size	1,000 mm x 1,000 mm
Test item	Airborne sound insulation performance
Testing equipment	Imported sound-level meter
Temperature / RH	23 deg C / 50% RH

Test method

The airborne sound insulation performance was evaluated internally, and the weighted sound reduction index and spectrum adaptation terms were rated with reference to ISO 717-1.

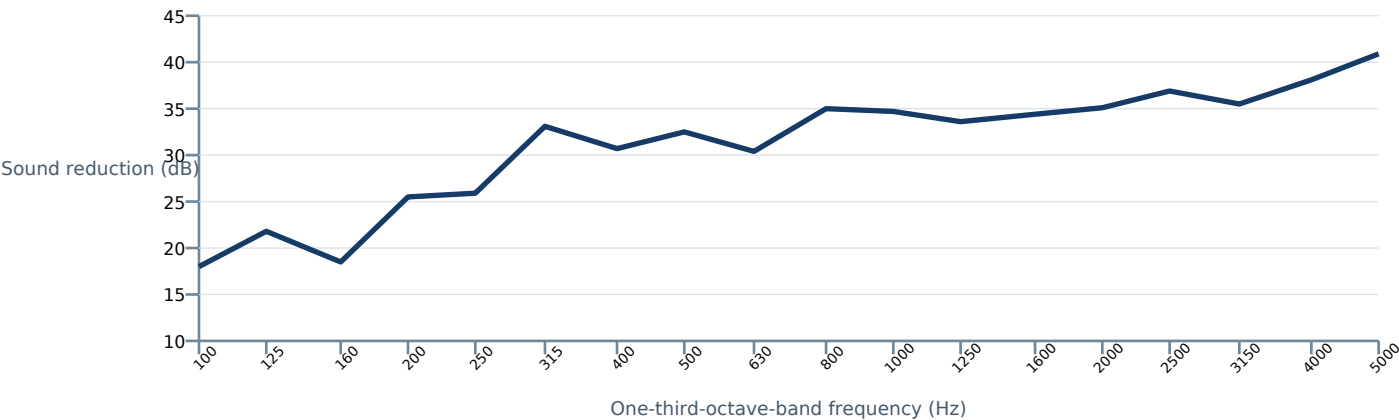
Single-number ratings

Rating	Measured result	Rating	Measured result
Rw	34 dB	C	-1 dB
Ctr	-3 dB	Rw + C	33 dB
Rw (C; Ctr)	34 (-1; -3) dB	Rw + Ctr	31 dB

ONE-THIRD-OCTAVE BAND SOUND REDUCTION

Measured frequency-dependent airborne sound insulation

Frequency (Hz)	Measured TL (dB)	Frequency (Hz)	Measured TL (dB)
100	18.0	800	35.0
125	21.8	1000	34.7
160	18.5	1250	33.6
200	25.5	1600	34.4
250	25.9	2000	35.1
315	33.1	2500	36.9
400	30.7	3150	35.5
500	32.5	4000	38.1
630	30.4	5000	40.9



Test observations

Equipment	Imported sound-level meter
Test observations	Sound reduction generally increased with frequency. The lowest measured value was 18.0 dB at 100 Hz; the highest was 40.9 dB at 5,000 Hz.
Conclusion	The tested 4.76 mm laminated-glass specimen achieved $R_w (C; C_{tr}) = 34 (-1; -3)$ dB under the stated internal factory test conditions.

Tested by	Reviewed by	Approved by
Name: _____ Signature: _____ Date: _____	Name: _____ Signature: _____ Date: _____	Name: _____ Signature: _____ Date: _____

Report note: Results apply only to the specific glazing specimen tested. Factory measurements are internal quality control data and must not be represented as accredited third-party laboratory results. Installed glazing performance may differ due to frame, seal, workmanship and site conditions.