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FOUNDED 1918 BY
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Test Report

SPONSOR: **V Global Pte Ltd**
Singapore

Sound Transmission Loss
RAL™-TL19-447

CONDUCTED: 2019-10-24
ON: Acoustic Louver V-300-02

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TEST METHODOLOGY

Riverbank Acoustical Laboratories™ is accredited by the U.S. Department of Commerce, National Institute of Standards and Technology (NIST) under the National Voluntary Laboratory Accreditation Program (NVLAP) as an ISO 17025:2017 Laboratory (NVLAP Lab Code: 100227-0) and for this test procedure. The test reported in this document conformed explicitly with ASTM E90-09 (2016): "Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements." The single number rating of the specimen was calculated according to ASTM E413-16: "Classification for Rating Sound Insulation." A description of the measurement procedure and room specifications is available upon request. The transmission loss values are for a single direction of measurement. The results presented in this report apply to the sample as received from the test sponsor.

INFORMATION PROVIDED BY SPONSOR

The test specimen was designated by the sponsor as Acoustic Louver V-300-02. The sponsor provided the following description:

"The specimen consisted of an aluminum frame that contained single layer fixed acoustical blades. The blade was filled with 60 kg/m³ density rock wool insulation protected by aluminum perforated alum bent sheet."

The following nominal product information was provided by the sponsor prior to testing. The accuracy of such sponsor-provided information can affect the validity of the test results.

Product Under Test

Trade Name: Acoustic Louver V-300-02
Manufacturer: V Global Pte Ltd
Insulation: 60 kg/m³ rock wool – secured by perforated alum bent sheet

SPECIMEN MEASUREMENTS & TEST CONDITIONS

Through a full external visual inspection performed on the test specimen, Riverbank personnel verified the following specimen properties:

Test Specimen

Materials: Aluminum body, internal insulation visible from perforations
Dimensions: 1219.2 mm (48 in.) x 1219.2 mm (48 in.)
Depth: 299 mm (11.772 in.), including side brackets
293 mm (11.535 in.) excluding side brackets



NVLAP LAB CODE 100227-0

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