



ENA SILENCE SOUNDPROOF CURTAIN

INTRODUCTION

The ENA soundproof curtains are manufactured under a license from the patent holder registered with the United States Patent and Trademark Office (USPTO). These products have been rigorously tested and certified to ensure safety, reliability, and superior performance.

PROVEN EFFECTIVE

ENA Silence have passed the SGS test at the Hong Kong Science Park according to ASTM E90-09(2016) standard, proving their effectiveness. It reached the STC Class from 16.6 to 36.3 dB. Produced under license from the patent holder. After conducting various experimental tests, including simulated racing car noise and noisy street sounds, the high efficiency of the soundproof curtains has been proven.



PRODUCT SAFETY

To ensure safety, the ENA Soundproof curtain and have been tested for harmful chemicals, such as formaldehyde. Both products have passed the formaldehyde emission test (GB 18401-2010) and have been certified as Super EO, the highest safety level.

FEATURES AND BENEFITS

- The surface and bottom layer of the ENA soundproof curtains are made of high-density velvet, which has a strong sound absorption function.
- Effective insulation with a 100% blackout rate.
- The sandwich layer design, with the soundproof material in the middle, provides light-blocking and heat-insulating functions.

DENSITY

The ENA Soundproof Panel has a density of 1000g/m². It have been designed to maximize sound insulation and absorption, offering a superior soundproofing solution that is both space-saving and highly effective.

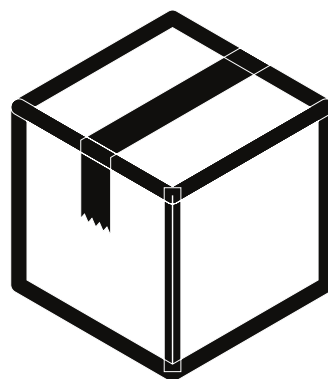


PRODUCT SPECIFICATIONS

- Velvet 50%, PVC 40%, mesh 10%
- 3mm Thickness
- Multiples of 1.45 meters width
- Customizable height.
- 70g / m2 weight



- (STC) 16.6 – 36.6 in double pleat
- Density 3500 kg/m3
- Formaldehyde emission MDL=0.05
- Packing size: custom
- Minimum order: 3 m2





CAUTION

- This product is intended for indoor use only. Do not expose it to outdoor conditions, as this may cause damage or affect its performance.
- Keep the product out of reach of children and pets, as it may pose a choking hazard or other safety risks.
- Do not modify or alter the product in any way, as this may affect its performance and could pose safety risks.
- The product should only be used for its intended purpose as described in the manufacturer's instructions. Any other use may result in damage or injury.
- The manufacturer cannot be held responsible for any damage, injury, or loss resulting from improper installation, use, or maintenance of the product.
- The manufacturer is not liable for any consequential, incidental, or special damages arising from the use or inability to use the product.
- The product may contain small parts or components that could pose a choking hazard. Use caution when handling and installing the product to avoid accidental ingestion.
- If the product becomes damaged, stop using it immediately and contact the manufacturer for assistance.
- The manufacturer reserves the right to modify or improve the product without notice.

TEST REPORT

No. : CZIN2309000078CM01_EN

Date : 2023-09-26

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CUSTOMER NAME: FLIGHT MUSIC CENTRE LIMITED
ADDRESS: 9/F, BANK OF EAST ASIA MONGKOK BUILDING, 638-640 NATHAN ROAD, MONGKOK, KOWLOON, HK

Sample Name : ENA SILENCE SOUND INSULATION CURTAIN
Thickness : 3mm
Density : 2400 kg/m³
Manufacturer : ENA FACTORY
Supplier : FLIGHT MUSIC CENTRE LIMITED
Style No : ENA SILENCE
Color : BEIGE
Other Information : (Composition) : Textile fiber & polyvinyl chloride

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

SGS Ref. No. : AJFS2309008485OS
Date of Receipt : 2023-09-13
Testing Period : 2023-09-13 ~ 2023-09-26
Test result(s) : For further details, please refer to the following page(s)
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for
SGS-CSTC Standards Technical
Services (Changzhou) Co., Ltd..

Tiffany Liu
Authorized signatory



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Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Sound Transmission Class	ASTM E90-09(2016)	See result	/

Note: Pass : Meet the requirements;
Fail : Does not meet the requirements;
/: Not Apply to the judgment.

Original Sample Photo(s):



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Test Item: Sound Transmission Class

I. Test Method

ASTM E90-09(2016) Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements

II. Sample Details

Dimensions	2415mm×1455mm×1.5mm
Surface Density	About 0.68kg/m ²

III. Test Condition

Ambient Temperature	24.8℃	Relative Humidity	84.3%RH
Source Room Volume	96m ³	Receiving Room Volume	85m ³
Description of Test Arrangement	<p>Test Area: 1.00m² (1.00m×1.00m)</p> <p>There is no decoration on the surface of the sample. After folding into a double layer, install it to the test hole. The joint between the sample and the test hole is sealed with cement.</p>		



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TEST REPORT

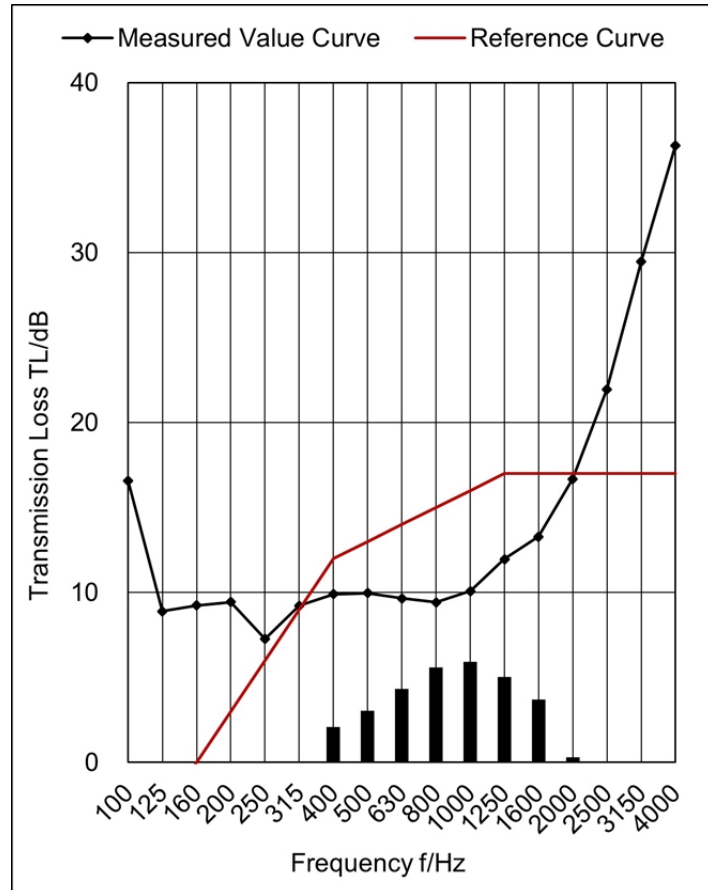
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IV. Test Result

Frequency f, Hz	Transmission Loss, dB
100	16.6
125	8.9
160	9.2
200	9.4
250	7.3
315	9.2
400	9.9
500	10.0
630	9.7
800	9.4
1000	10.1
1250	12.0
1600	13.3
2000	16.7
2500	21.9
3150	29.5
4000	36.3



V. Sound Transmission Class

Rating according to ASTM E413-22:

Sound Transmission Class: STC = 13

Note: This declaration of conformity is only based on the result of this laboratory activity, the impact of the uncertainty of the results was not included.

*****End of report*****



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Material Safety Data Sheet (MSDS)

Section 1: Product and Company Identification

Product Name: ENA Silence Soundproof Curtain

Manufacturer: Flight Music Centre Ltd.

Address: 9/F, Bank of East Asia Mong Kok building, 638-640 Nathan road, Mong Kok, Kowloon, HK

Telephone: +852 28787665

Emergency Telephone: +852 28787665

Section 2: Composition and Information on Ingredients

Chemical Name	Synonym(s)	CAS#	Conc. (%)
Velvet (Fabric Layer)	Textile fiber	N/A	~50
Polyvinyl Chloride (PVC)	Vinyl polymer	9002-86-2	~40
Grid-shaped Woven Layer	Textile mesh	N/A	~10

The soundproof curtain consists of:

1. Velvet fabric layer I (outer surface)
2. Velvet fabric layer II (inner surface)
3. PVC (Polyvinyl Chloride) soundproof layer (sandwiched between fabric layers)
4. Grid-shaped woven layer (located between each velvet fabric layer and the PVC soundproof layer)

Section 3: Hazards Identification

This product is non-hazardous under normal use and handling.

Section 4: First Aid Measures

Not applicable, as the product is non-hazardous under normal use and handling.

Section 5: Firefighting Measures

In case of fire, use water, carbon dioxide, or dry chemical extinguishers. Wear appropriate protective gear, including self-contained breathing apparatus.

Section 6: Accidental Release Measures

Not applicable, as the product is non-hazardous under normal use and handling.

Section 7: Handling and Storage

Install the curtain in a suitable location according to the manufacturer's instructions. Ensure that the curtain is securely attached and properly supported. Regularly inspect the curtain for any signs of wear or damage, and replace or repair as needed.

Section 8: Exposure Controls and Personal Protection

No special exposure controls or personal protection equipment is required for normal use and handling of the product.

Section 9: Physical and Chemical Properties

- Appearance: Curtain material
- Customizable dimensions
- Material: Outer and inner layers of velvet, with a PVC soundproof layer sandwiched between
- Weight: 2000g/square meter
- Tolerance: 1~3 mm

Section 10: Stability and Reactivity

The product is stable under normal storage conditions. No hazardous reactions are expected.

Section 11: Toxicological Information

No toxic effects are expected from normal use and handling of the product.

Section 12: Ecological Information

The product is not expected to pose any significant environmental hazards.

Section 13: Disposal Considerations

Dispose of the product according to local, state, and federal regulations.

Section 14: Transport Information

No special precautions are needed for the transportation of the product.

Section 15: Regulatory Information

Users must ensure that the curtain meets the requirements of their local fire service department. Consult with the appropriate authorities to confirm compliance with fire safety requirements before installing the curtain.

Section 16: Other Information

This MSDS was prepared to the best of our knowledge. The information provided is accurate as of the date of this document. Users should handle the product according to the guidelines provided in this MSDS.