

Noise Barrier

SECTION 09500-Noise Barriers

PART I-GENERAL

1.1 SUMMARY

- A. This section includes the following:
1. Noise Barriers.

1.2 SUBMITTALS

- A. Shop Drawings: Show fabrication and installation details for noise barrier, including ground location (when applicable).
- B. Submittals: Furnish 8 11" x 11" samples, showing manufacture full range of colors available.
- C. Product Test Report: From a qualified testing agency indicating Noise Barriers comply with requirements.
- D. Product Certificates: Signed by manufacturer certifying that the products furnished comply with requirements.

1.3 QUALITY ASSURANCE

- A. Manufacturer Qualification: Manufacture shall have a minimum of 5 years experience in production of specified products and shall furnish supporting documentation showing completed jobs of approximately the same size and scope.
- B. Strength Reports: Provide Noise Barriers with the following characteristics as per ASTM D412 and D1004.
- Tensile Strength: at least 220 Lb/in²
Elongation: at least 140%
Tear Strength: 40 Lb/in
- C. Acoustical Test Report: Provide acoustical test report from a qualified testing agency indicating the Noise Barrier meets a STC value of at least 25 per ASTM E-90 & E 413.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Protect Noise Barriers from excessive moisture when shipping, storing, and handling. Deliver in unopened skids and store in a dry place with adequate air circulation. Do not deliver material until all wet-work has been completed.

PART 2 -PRODUCTS

1.1 Noise Barriers, GENERAL

A. Noise Barriers shall be nominally 0.1" thick - 1.0lb. per square foot density.

- 1 Products B-IO NR
Agawam, MA , USA Ph : (800) 569-1294
As distributed by Oeler Industries, Inc. (877) 406-6473
- 2 Non reinforced loaded vinyl barrier
- 3 Thickness: nominal 0.1" thick
- 4 STC:26
- 5 Standard Width : 54 inches
- 6 Length: As indicated, up to 60 feet long.

1.2 CONSTRUCTION

A. The Noise Barrier product shall be supplied in 54" wide panels or rolls with lengths as indicated.

Sound Transmission loss: Per ASTM E-90 & E-413

Octave Band Center Frequency (Hz)						
125	250	500	1000	2000	4000	STC
13	17	22	26	32	37	26

2.5 FLAMMIBILITY RATING

A. Material shall pass UL 94 HB

PART 3 -EXECUTION

3.1 INSTALLATION

A. Install Noise Barriers in locations indicated. Comply with manufactures written instructions for installation of panels or rolled goods using type of mounting accessories indicated or, if not indicated, as recommended by manufacturer.

3.2 CLEANING

A. After completion of installation of panels or rolled goods, remove dust and other foreign material according to manufactures written instructions.

B. Remove surplus material, rubbish, and debris resulting from Sound Absorber/Noise Barrier Composite installation, on completion of the work, and leave areas of installation in a neat and clean condition.