

AUDIOSEAL™ SOUND BARRIER REINFORCED AB10-R

Sound Barrier
AudioSeal™ Reinforced Sound Barrier – Part#AB10R

Section 09500 – Noise Barriers

Part 1-GENERAL

1.1 Summary

This section includes the following:

Noise Barriers

1.2 Submittals

1. Shop Drawings: show fabrication and installation details for noise barrier, including grommet location (where applicable).
2. Submittals: Furnish 8 ½"X11" samples, showing manufacturer full range of colors and patterns available.
3. Product Test Report: From a qualified testing agency indicating Sound Barriers comply with requirements.
4. Product certificates signed by manufacturer certifying that the products furnished comply with requirements.

1.3 Quality Assurance

1. Manufacturer Qualification: Manufacturer 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.
2. Strength Reports: Provide Noise Barriers with the following characteristics as per ASTM D412 and D1004
 - Tensile strength at least 850 Lb/in²
 - Elongation at least 15%
 - Tear strength 70 Lb/in
3. Acoustical test report: provide acoustical test report from a qualified testing agency indicating the Noise Barriers meets a STC value of at least 26 per ASTM E-90 & E-413.

1.4 Delivery, Storage, and Handling

Protect Noise Barrier 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

Noise Barriers, General

Noise Barriers shall be nominally .1" thick-1.0 Lbs. per square foot density.

2.1 Products

A. Model # AB10R

AudioSeal™ Reinforced Sound Barrier
STC 26
Standard width 54"
Length as indicated up to 60' long

Supplier:

Acoustical Solutions, Inc.
2420 Grenoble Road
Richmond, VA 23294

Ph: (800) 782-5742
Fax (804) 346-8808
Email: info@acousticalsolutions.com

2.2 Construction

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

Acoustical Performance

Sound Transmission Loss: Per ASTM E-90 & E-13						
Octave Band Center Frequency (Hz)						
125	250	500	1000	2000	4000	STC
13	17	22	26	32	37	26

Flammability Rating

A. Material shall pass UL 94 HB:

Part 3-EXECUTION

3.1 Installation

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

3.2 Cleaning

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

Remove surplus material, rubbish, and debris resulting from installation, on completion of work, and leave areas of installation in a neat and clean condition.