



129 Penn St., Westfield, IN 46074
Toll Free Phone: 888.213.4711 Fax: 317.774.1911

Sound Curtain Specification

Part 1: General

1.1 Work Included

The work consists of furnishing all labor, materials, accessories, and equipment necessary to cover all areas shown on the drawings and specified herein with eNoise Control {UNC-25, UNC-13, model type} Sound Curtains.

Part 2: Product

2.1 Product and Manufacturer

eNoise Control Quilted Sound Curtains exclusively manufactured by:
eNoise Control 129 Penn St, Westfield, IN 46074 Phone: (317).774.1900 Fax: (317).774.1911
Website: www.enoisecontrol.com Email: info@enoisecontrol.com

2.1.1 Facing Material

Vinyl-coated fiberglass cloth facing quilted facing material, industrially stitched to withstand harsh environments.

2.1.2 Thickness - Nominal (1", 2") thick

2.1.3 Noise Reduction Coefficient

NRC 0.70 to 0.85

2.1.4 Standard Width - 48 or 54 inches

2.1.5 Length - As indicated on drawing, up to 25 feet.

2.1.6 Construction

The quilted sound curtains shall be supplied in standard width panels or fabricated to custom widths. Manufacturer's standard panel construction shall have all edges bound with #4 spur grommets across the top. And mating hook and loop Velcro fastener on vertical edges. A polyester thread suitable for industrial applications must be used in the quilting process as well as to apply the matching edge binding. Total weight of the sound curtain is 1.5 lbs/sf.

2.1.7 Mounting

Manufacturer's standard accessories for securely mounting the quilted fiberglass absorber panels, of type and size indicated and complying with the requirement that grommets shall be installed to facilitate mounting as indicated on the drawing.

2.1.8 Acoustical Performance

UNC-25

Octave Band Frequencies (Hz)	125	250	500	1000	2000	4000	Rating
Sound Absorption per ASTM C423	0.19	0.99	0.96	0.80	0.57	0.33	NRC=0.85
Sound Transmission Loss per	12	16	27	40	44	43	STC= 29

ASTM E-90 & E-13

UNC-13

Octave Band Frequencies (Hz)	125	250	500	1000	2000	4000	Rating
Sound Absorption per ASTM C423	0.12	0.47	0.85	0.84	0.64	0.62	NRC=0.70
Sound Transmission Loss per	11	16	24	30	35	30	STC= 27

ASTM E-90 & E-13

2.1.9 Flammability

Class "A" per ASTM E-84

Part 3: Execution

3.1 Installation

Install quilted sound curtains 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.

3.1.1 Workmanship

All work shall be completed in a workman like manner. All panels shall be properly installed and left in a clean, sanitary condition. Contractor shall remove and dispose of shipping containers and debris.