



Acoustical Surfaces, Inc.

SOUNDPROOFING, ACOUSTICS, NOISE & VIBRATION CONTROL SPECIALISTS

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We Identify and S.T.O.P. Your Noise Problem

The Transforming Studio Black Nexxus Studio, New York – USA

By Ted Weidman

Acoustical Surface's BSC-T25 Quilted Fiberglass Curtain Panels installed in creative way to transform an acting studio into acting studios.

Open/Shop Studio in New York is an architecture and design firm that is on the cutting edge of building planning in the twentieth-century. I was contacted by Mark Kroeckel of *Open/Shop*; he contacted me with a unique situation. He was in the design phase of planning a new acting studio that had a set amount of space which was to have multiple uses. Mark explained to me that he needed some kind of acoustical wall system that would allow the space to easily transform from one large space into multiple smaller spaces.

After talking through a few different options and getting samples to the designers at *Open/Shop*, it was decided that an intricate ceiling mounted track system along with **Acoustical Surfaces Inc. BSC-T25 Acoustical Quilted Curtain Panels** were the best option. *Open/Shop Studio* designed the layout, and I put together track components and the custom made **BSC-T25 Quilted Curtains** which were specified by the designers. It was decided that the panels would not have Velcro along the vertical seams, but rather hang free one next to the other. Even though this would allow for some sound leakage, the customer decided that ease of movement was more important to this installation.



Open|Shop decided to conceal the ceiling mounted single track system with the plywood used for the ceiling. The track system allows the space to be transformed from one large room to many smaller rooms.



White BSC-T25 panels with black edge binding were fabricated specifically for the Black Nexxus project and are unique to this installation. The white facing keeps the space bright, where the Black edge tape will help hide finger marks and dirt from the floor.

Testimonial continued on next page.

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The building that was being renovated had a few unavoidable problematic areas. Due to the uneven floor in the older building and the fact that the panels were going to be used in different locations in the room at different times, a standard length panel was fabricated. Even though each of the curtains can be cut to length with (+/-) 1/8" tolerance, the unavoidable fact remained – the panels were going to be a little bit too long in some locations and a little bit too short in others. There was no way to get around this in this case.

Due to the reflective nature of the floor, walls and ceiling some overhead absorption panels were added. One-inch thick panels of **Acoustical Surfaces Inc's. Sound Silencer P.E.P.P™** in Charcoal were adhered directly to the plywood ceiling in various locations to create a unique pattern.

The installation is a very modern and successful use of the curtain panels which, up to this point, had been used almost exclusively in industrial applications. The standard **BSC-T25 Panels** have a silver facing, but in this case, white panels with a black border were used. The panels are constructed with two layers of nominally one-inch thick, light density absorptive fiberglass on either side of a 1/8" thickness, 1 lb. per square foot mass loaded vinyl noise barrier. The panels are then faced and edges bound with a thin PVC facing to encapsulate the fiberglass. Diamond shaped stitching keeps the fiberglass from sliding to the bottom of the panels over time. The fiberglass is rated with an **NRC of .70**, and the vinyl in the center of the panel gives the panel an **STC rating of 26**.



Black Nexxus Studio under construction.



Charcoal Acoustical Surfaces Inc. Sound Silencer Panels P.E.P.P™. overhead help not only with the unique look of the space, but add to the absorption of the room.

Please contact Ted Weidman at Acoustical Surfaces, Inc with any questions regarding this installation. 800-448-0121 (ext. 25) or ted@acousticalsurfaces.com