

Flex-48™ Adaptive Treatment System

The Flex-48™ Adaptive Treatment System is an innovative acoustical device that allows the user to alter the acoustical properties of their room on demand.

The main components are the FulFill™ Acoustical Panel and the reflective Flex-Shield. The brushed stainless steel Flex-Tray serves as the mounting device for both the acoustical panel and the shield.


When fully exposed, with no shield in place, the FulFill panel behaves as a passive absorber, removing energy from the room. When the Flex-Shield is installed, a barrel type diffuser is created. The higher frequencies are now scattered evenly throughout the room, retaining liveliness, while the mid and low frequencies continue to pass through to the FulFill panel. The air gap between the Flex-Shield and the FulFill panel combined with the sympathetic vibration of the Flex-Shield increases the low frequency absorption of the panel.



US Patent # 9,595,254

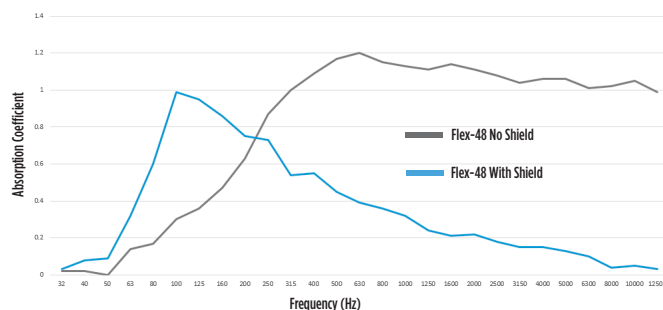
SPECIFICATIONS:

FulFill Acoustical Panel:

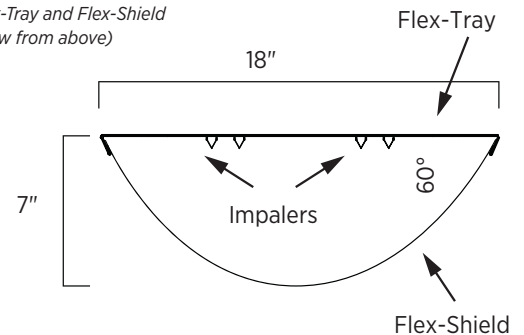
- Substrate:** High Density Fiberglass (6-7 PCF) with chemically hardened edges
 - Surface Finish:** Fully tailored fabric-wrapped
 - Fabric Options:** Guilford of Maine Acoustic—Stock Fabric colors:
Birch Graphite Asteroid
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- Custom colors options available.
- Nominal Size:** 16" W x 48" H
 - Thickness:** 2"
 - Edge Detail:** Half bevel
 - Mounting:** Flex-Tray Impaling Clips
 - Acoustical Data:** Noise Reduction Coefficient (NRC) 2" = 1.05
 - Fire Performance:** Class A rating per ASTM E84

Flex-48 Absorption Data

per ASTM C423 Reverberation Room Method at Riverbank Acoustical Laboratories



Flex-Tray and Flex-Shield
(view from above)



Flex-Tray:

- Substrate:** Brushed stainless steel
- Nominal Size:** 18" W x 48" H

Flex-Shield:

- Substrate:** Polycarbonate with laser radiused corners
- Thickness:** .080" thickness
- Nominal Size:** 23.8" W x 48" H

Flex-48 Adaptive Treatment System:

- Warranty:** Standard 1 year limited warranty

Packaging/Shipping Dimensions:

- Quantity:** Flex-48 ships (1) systems to a box
- Box dimensions:** 24½" W x 49½" L x 3½" D
- Box weight:** 23 lbs