

# Guilford of Maine FR701 Acoustic Fabric



## Description

Our Guilford of Maine FR701 Acoustic Fabric is an acoustically transparent fabric that can be used as a speaker grille cloth or to wrap an acoustical substrate. The FR701 series is an industry-standard finish for acoustical panels, as it provides a large color palette of neutral colors.

The designer fabric's texture provides a clean and beautiful finish for your project.

## Features

- Acoustical panel fabric
- Proudly woven in the USA supporting our local communities
- Cleanable with water based cleaning agents

## Technical Characteristics

<b>Size:</b>	66" wide x 36" yard
<b>Materials:</b>	100% Post-consumer recycled polyester
<b>Weight:</b>	16.0 +/- 1.0 oz./ linear yard
<b>Pattern:</b>	Solid/Textural
<b>Repeat Vertical:</b>	None
<b>Repeat Horizontal:</b>	None
<b>Backing:</b>	None
<b>Treatment:</b>	None
<b>Fire Rating:</b>	Class 1 or A per ASTM E84
<b>Breaking Strength:</b>	150 lbf min. warp   150 lbf min. fill (ASTM D5034)
<b>Colorfastness to Light:</b>	Grade 4 min. at 40 hours (AATCC 16 Option 3)
<b>Colorfastness to Crocking:</b>	Grade 4 min. dry   Grade 3 min. wet (AATCC 8)
<b>Acoustic Transparency:</b>	95%
<b>Bleach Cleanable:</b>	May be cleaned with a 10% bleach-to-water solution. Rinse well afterward.

*Colors may vary between dye lots.*

## Acoustic Performance for Panel Applications (ISO 10534-2)

Frequency (Hz)	NRC
250	0.03
500	0.01
1000	0.03
2000	0.07
NRC of fabric in front of anechoic termination	0.05
NRC of anechoic termination	1.00

This test measures the NRC of fabric in front of anechoic termination (NRC of anechoic termination = 1.00). The test is done using an impedance tube with a sound source connected to one end and the test sample mounted in the tube at the other end.

For more information, please consult: <https://www.iso.org/standard/22851.html>

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