

LAB TEST RESULTS

A STC rating describes the average number of decibels blocked by a material.

Our STC Sound Blocking curtains work due their inner linings. These linings are specialized, proprietary vinyls made exclusively for Acoustic Curtains. The face fabrics used to construct the curtains have little impact on sound blocking. See the Table below for recommended face fabrics.

	STC 20 Rated Lining	STC 17 Rated Lining	STC 15 Rated Lining
Lining Specs			
Weight lbs/sf	0.400	0.275	0.225
Fire Rated	No	Yes	Yes
Color	Black	White	White
Vinyl Type	MLV	Laminated	Laminated
	STC 20	STC 17	STC 15
Curtain types			
Soft Fold 3 ply	X	X	X
Soft Fold 2 ply		X	X
Pleated		X	X
Ripplefold		X	X
Roman Shade		X	X
Roller Shade		X	X
	STC 20	STC 17	STC 15
Recommended fabrics			
Nova Suede	X	X	X
Visa Velvet	X	X	X
Solitaire	X	X	X
Anti-Microbials		X	X

Under normal conditions, the following will serve adequately well as a general guide on the impact of variances in sound pressure levels:

- 1 dB change is imperceptible
- 3 dB change is just perceptible
- 5 dB change is clearly perceptible
- 10 dB change is substantial (halves or doubles noise heard)

Summarized Lab Test Results

Sound Absorption Results NRC's		
Acoustic Quiet Curtains	Low	High
Crescent Velour	.85 NRC	1.0 NRC
Vara Velvet	.75 NRC	.90 NRC
Overture	.65 NRC	.80 NRC
Visa Velvet	.55 NRC	.70 NRC
Nova Suede	.50 NRC	.65 NRC
Solitaire	.40 NRC	.65 NRC

The NRC range is a function of curtain construction. The highest NRC's are Ripplefold 220% construction. The lowest NRC's are Ripplefold 160% construction. Pleated curtains fall in the mid-range depending on fullness. Double sided soft-fold curtains perform similarly to Ripplefolds.