

Lab Tests

Sound Blocking

A STC rating short for Sound Transmission Coefficient 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 vinyl's 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 13 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 13
Curtain types	X	X	X
Soft Fold 3 ply		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 13
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)

Sound Absorption

NRC is short for Noise Reduction Coefficient. It is a measurement of how well something absorbs sound, mostly in the range of normal speech frequencies. NRC of 1.00 absorbs all sound.

Summarized WEAL Lab Test Results

Sound Absorption Results NRC's

Acoustic 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

Acoustical curtains are custom made for most residential windows (up to 50" w x 84" h); with your choice of one of fabrics. STC 20 Acoustic Curtains can be made in any width and up to 9' high. We can also make STC 20 Acoustic Curtains using fabric you provide.

STC 13 and STC 17 Acoustic Curtains reduce noise by up to 17 decibels! STC 15 and 17 Acoustic Curtains are especially designed for where fire certification, light weight and multiple curtain constructions are required such as schools, hotels, and other public venues.

STC 13 and 17 Acoustic Curtains can be made in any width and up to 18' high. We can use your fabrics or you can choose from our wide selection of beautiful fabrics. We can also retrofit existing curtain systems. We now offer STC 17 roller shades!

- [Acoustic Curtains Lab Report](#)
- [STC 17 – STC Test Specs](#)
- [Sound Transmission Loss Test Report](#)
- [Acoustic Curtains Hardware](#)

Detailed Specifics of Lab Test Results

AB07-166 NRC Nova Suede French Pleat **AB07-167 NRC Nova Suede Double Sided**

Acoustic Curtains Color Chart:

- **Nova Suede**
- **Acoustic Curtain Color PDF Chart**

Both our STC and Acoustic Acoustic Curtains can be made in a wide range of constructions including pleated, Ripplefold, flat panel, Roman shades and our new STC 17 roller shades.

Additionally, in response to requests from hospitals and doctors, we have developed a special acoustical curtains laboratory tested Acoustic Hospital Cubicle Curtains to increase patient privacy. With all constructions the result is a very substantial drapery. This contributes to the sound absorbency and dampening qualities of Acoustic Curtains.

Acoustic Curtains are hand made and we happily accommodate commercial and volume orders. You will be delighted with the quality of workmanship and finish.

We designed our Acoustic Curtains in response to the many requests we received for acoustic window treatments. Acoustic Curtains are particularly well suited to the following types of rooms:

- Residential, Condos, Lofts
- Classrooms (e.g. band practice rooms, special education classrooms)
- Auditoriums
- Meeting/Conference rooms
- Churches (stage, sanctuary, children's rooms)
- Home theaters
- Dance studios
- Restaurants
- And much more