

acoustic curtains



Sound Absorbent Curtain and Track Systems

Heavy duty, flame retardant, acoustically absorbent fabrics that can be used with various track systems, affording greater flexibility than fixed sound absorptive panels. Typically used for dance, drama and music rehearsal spaces, in venues ranging from schools to theatres. Curtains can be used conventionally to cover window areas, to divide spaces or arranged to cover hard or reflective surfaces, allowing an element of acoustic 'tuning' within a room.

General

Curtains are manufactured from either wool serge or velvet velour, as the heavier nature of these fabrics provides the best acoustic results. Super wool serge which is only available in black is the best in terms of sound absorption due to its higher weight, coloured wool serge and velvet velour provide a little less sound absorption due to their lighter weight. Velvet velour does, however, have aesthetic benefits in terms of fabric quality and colour range. Track selection is based on application, dependant on curtain size/weight and arrangement.

Curtain Track

For most medium weight systems we utilise Hall Stage T60 or Triple E Unirail track. Both of these are finished in black and suit single rail systems in either straight or curved arrangements. Various brackets can be supplied to suit wall or ceiling mounting. For lighter weight curtains we recommend Hall Stage T200 or Silent Gliss track systems. Curtains can be manual 'walk along' operation, drawstring operated or electrically motorised. For heavier systems we recommend the use of Hall Stage T70 track.

Curtain Specification

Fabric	Super Wool Serge	Coloured Wool Serge	Velvet Velour
Maximum Width	1500mm	1500mm	1220mm
Weight	625 g/m ²	420 g/m ²	395 g/m ²
Colour Options	Black	16 colours	34 colours

All the above fabrics are Durably Flame Retardant (DFR), chemically treated to withstand a number of cleanings and meet the requirements of BS5867: Part2B. Curtains are usually manufactured with hemmed edges, lining if required, sewn in chain weights at the base and either golf bag hooks or Rufflette tape with tab hooks at the top.

Acoustic Performance

Acoustic curtains are primarily intended for sound absorptive applications, as they offer minimal sound transmission loss. We therefore do not recommend their use for domestic applications to reduce the effects of traffic noise through windows. We are, however, able to offer a custom manufactured curtain that is manufactured with a sound blocking lining that will afford a sound reduction of 15-20dBa, suitable for larger applications such as space dividers – further details are available on request.

Frequency (Hz)	125	250	500	1k	2k	4k
Super Wool Serge	0.14	0.35	0.55	0.72	0.70	0.65
Coloured Wool Serge	0.07	0.31	0.49	0.75	0.70	0.60
Velvet Velour	0.06	0.29	0.46	0.70	0.65	0.56

The above sound absorption coefficients are based on unlined curtains manufactured to 50% fullness.

Maintenance

Curtain fabric can only be cleaned with a vacuum cleaner or soft brush. Wet cleaning of flame retardant material will compromise the fire resistance and must be avoided. Dry cleaning is possible with care, but only as a last resort. The track should be periodically cleaned to keep surfaces clear of dust and grease, joint alignment should be checked and fixings tightened if necessary. Worn or broken parts should be replaced.