

# SCREENFLEX PORTABLE ROOM DIVIDERS

## SOUND ABSORPTION INFORMATION

The Noise Reduction Coefficient assigned to Screenflex Portable Room Dividers is:  $NRC = 45$  for a 6'-0" tall divider.

Laboratory sound tests have determined that 6'-0" high Screenflex partitions absorb the following percentage of sound decibel created within the area occupied by the partitions. As the number of 90° partition corners are increased the percentage rate of sound absorption rises as illustrated below.

### Sound Absorption

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#### 1. Straight Line

Sound Absorption = 45%



#### 2. L Shape One 90° Corner

Sound Absorption = 55%



#### 3. U Shape Two 90° Corners

Sound Absorption = 65%



Note: Sound absorption will obviously **INCREASE** with dividers taller than 6'-0" and **DECREASE** with shorter dividers.

Sound tests are conducted using Screenflex 6'-0" high dividers in a chamber with concrete floors, walls, and ceilings. Soft materials in a room like carpet, furniture and drapes will increase the percentage of sound absorbed from that shown. Taller dividers will logically absorb a greater value than the value shown and shorter dividers a lesser value. Also the tests reveal that the dividers absorb the lower frequencies (adult voices) at a greater rate than the high frequencies. Screenflex is not sold or presented as a sound proofing or sound control product. Screenflex products are portable dividers which provide 100% visual control and as an added benefit have some sound absorbing qualities.